137

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Drinking water, sanitation and hygiene in India

रा प्र स 54वां दौर
NSS 54th Round
जनवरी - जून 1998
January - June 1998

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CONTENTS

Page No.

Preface (i)
Highlights (ii) – (iii)
List of Appendix Tables (iv) – (v)

Chapter 1 : **Introduction**

The report in perspective 1
Background 1
Scope 2
The survey in brief 2
Contents of the report 4

Chapter 2 : **Concepts and Definitions**

Introduction 5
Some common terms 5
Drinking water 6
Sanitation 9
Other aspects of hygiene 11

Chapter 3 : **Sample Design and Estimation Procedure**

Sample design 13
Estimation procedure 18

Chapter 4 : **Summary of Findings**

Introduction 21
Drinking water 22
Sanitation 36
Other aspects of hygiene 45
Appendix : **Detailed Statistical Tables** A 1

PREFACE

The National Sample Survey Organisation (NSSO) conducted several All-India surveys on conditions of drinking water and sanitation in the past. While it did so on a fairly comprehensive scale during the 49th round (January-June,1993) and 44th round (July,1988-June,1989), some data on drinking water were also collected during the 42nd round (July,1986-June,1987) and some data on drinking water as well as on sanitation were collected by the NSSO during the 38th round (January-December,1983) and 28th round (October,1973-June,1974).

The present report is based on information on several items under three heads, viz. drinking water, sanitation and other aspects of hygiene, collected on a fairly comprehensive basis by canvassing a detailed block in Schedule 31 of the NSS 54th round. As was the case in the earlier rounds, in the present survey too, all such information sought were only a part of a multi-subject enquiry, although the other subjects of enquiry varied over the rounds. The report consists of four chapters and one Appendix. Chapters 1 and 2 deal respectively with the introduction and the concepts and definitions of the different terms used in connection with the various items on which data were collected. Chapter 3 describes the sample design and estimation procedure used for the survey. Chapter 4 discusses the summary results of the survey and their comparison with the results of the previous surveys. The detailed data, based on which this report is brought out, are presented in the appendix.

The field work for the survey was done by the Field Operations Division while the data processing and tabulation work were handled by the Data Processing Division. The Survey Design and Research Division of NSSO was responsible for designing the survey and preparing the report.

I am thankful to the members of the Working Group for their valuable guidance at various phases of the work – from designing of the schedule of enquiry to the preparation of this report. I am very much grateful to the members of the Governing Council, Heads of various Divisions of NSSO and their colleagues for their contributions in preparing the report.

New Delhi *N. S. Sastry*
July 1999 *Director General & Chief Executive Officer*
National Sample Survey Organisation

HIGHLIGHTS

Data relating to source, quality etc. of drinking water, and conditions of sanitation and hygiene of households during January 1, 1998 to June 30, 1998 were collected in the 54th round of the National Sample Survey. The following highlights merit attention:

Drinking Water

Principal sources

An estimated 50% of rural households were served by tubewell/handpump, while an estimated 26% and an estimated 19% were served by well and tap, respectively. About 70% and 21% of urban households reported being served by tap and tubewell/ handpump, respectively.

Distance of dwelling unit from principal source: Only about 31% of rural and 66% of urban households reported their principal source of drinking water to be within their premises. Further, about 60% and 32% households in rural and urban areas respectively were within 0.2 km from their principal source of drinking water.

The proportion of households having sole access in their principal source of drinking water was estimated to be much higher in urban areas than in rural areas, the estimates being 41% for urban areas and 23% for rural areas.

An estimated 13% of rural and 15% of urban households did not get sufficient drinking water from their principal sources. May, June and April were the worst months, and in that order, in this regard in both rural and urban areas.

At the aggregate level, about 85% of rural and 91% of urban households reported drinking water served by their principal sources to be of satisfactory quality. However, these proportions were much lower - between 53% to 67% - for households served by 'other tank'/pond or river/canal/lake as their principal source.

Supplementary sources

About 18% of the households, in both rural and urban areas, reported using some supplementary source of drinking water.

Among households reporting use of some supplementary source of drinking water, tubewell/handpump was the most frequently reported source (37% in rural and 52% in urban areas), followed by well (36% in rural and 23% in urban areas).

Drinking water and hygiene

In rural areas, about 18% of households reported to have filtered their drinking water but very few households reported to have chemically treated, or boiled, water before drinking. The situation was slightly better in urban areas, where the percentages of households reporting boiling and filtering of drinking water before consumption were 11% and 35% , respectively.

A vast majority of households (93% in rural and 96% in urban areas) reported storing their drinking water. However, many households (about 56% in rural and 49% in urban areas) reported the practice of dipping in a vessel without a handle to take drinking water out of the main storage container.

Sanitation

Bathroom

The proportion of households reporting no bathroom was much higher in rural areas (81%) than that (35%) in urban areas.

Distance from bathing place: A high proportion of households reporting no bathroom, reported their usual bathing place to be within their premises - 79% in urban and 62% in rural areas.

Access to bathroom: Among households using some bathroom, a very high proportion (86% in rural and 75% in urban areas) reported their bathroom to be available for use by that household alone.

Latrine

As high as 83% of households in rural areas reported using no latrine as against only 26% in urban areas. Further, only about 8% and 1% of rural households reported using septic tank and sewerage system, compared to 35% and 22% of urban households.

Access to latrine: About 46% of urban and only 13% of rural households reported sole access to the latrine used by them during the present survey. A gradual increase in these proportions over time is noticeable when the above figures are compared with those obtained from the past NSS surveys.

Distance from latrine used: A vast majority (85% in rural and 89% in urban areas) of households using some latrine reported their latrines to be located within their premises itself. Members of an estimated 8% of households using some latrine - in rural or urban areas - had to travel up to 0.5 km. to reach the latrines used by them.

Waste disposal

The proportion of households reporting removal of household waste by household members was much higher (94%) in rural areas than that (71%) in urban areas. While 14% and 12% of urban households reported removal of their waste by local authorities and by private agreement among residents, respectively, the corresponding proportions were almost negligible in rural areas.

About two-thirds (67%) of rural households, and less than a third (30%) of urban households, reported their waste being taken to individual dumping spots. While a substantial proportion (47%) of urban households reported removal of their waste to community dumping spot, only 4% of rural households reported so.

Other Aspects of Hygiene

Water for cooking/bathing/washing utensils: In rural areas, for the purpose of cooking or bathing or washing utensils, tubewell/handpump, followed by well and tap, were the more important sources of water - principal or secondary. In urban areas, this order of importance was tap, tubewell/handpump and well and tap for secondary source.

Concern about problems of flies, mosquitoes and foul odour: Among these three, people reported their concern most frequently for mosquitoes (84% in rural and 90% in urban areas) followed by that for flies (69% in rural and 66% in urban areas). Only about 36% of rural and about 50% of urban households reported their concern about problems related to foul odour.

LIST OF APPENDIX TABLES

Table No.	Title	Page Number
1	Per 1000 distribution of households having specific principal sources of drinking water by distance from source	A1 – A13
2	Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source	A14 – A26
3	Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source of drinking water	A27 – A39
4	Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source of drinking water	A40 – A52
5	Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source	A53 – A72
6	Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year	A73 – A92
7	Per 1000 distribution of households reporting insufficiency of drinking water from principal source for some part of the year by measures normally taken when water is insufficient	A93 – A94
8	Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source	A95 – A113
9	Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source	A114 – A133
10	Per 1000 number of households filtering / chemically treating / boiling their drinking water in different States	A134
11	Per 1000 distribution of households by material of container in which drinking water is stored	A135 – A136
12	Per 1000 distribution of households by way in which water is taken out for drinking from the main storage container	A137

Table No.	Title	Pa Numb
13	Per 1000 distribution of households by extent of sharing of principal source of drinking water, bathroom (if any), and latrine (if any used)	A138 – A14
14	Particulars of availability of bathroom and adequacy of bathing water	A14
15	Per 1000 distribution of households not having a bathroom by distance from usual bathing place	A145 – A14
16	Per 1000 distribution of households by type of latrine used	A14
17	Per 1000 distribution of households using a latrine by distance from latrine used	A14
18	Per 1000 distribution of households by system of sharing of latrine used	A14
19	Per 1000 distribution of households by arrangement for removal of garbage from house	A1
20	Per 1000 distribution of households by site where garbage is taken after removal from house	A151 – A1
21	Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing, and water for washing utensils.	A153 – A16
22	Per 1000 numbers of households expressing concern about problems of flies, mosquitoes and foul odour and percentage of households reporting growth / diminution of such problems over the last 5 years	A 16
23	Per 1000 numbers of households willing to contribute money and/or labour towards improvement of sanitation in their neighbourhood and in their village/town	A167 – A17

Chapter 1

Introduction

1. The Report in Perspective

1.1.1 An all-India survey on conditions of drinking water, sanitation and hygine prevailing during the period January-June,1998 was carried out as part of the 54th round of the National Sample Survey Organisation (NSSO). In the survey, information on these items was collected through Schedule 31, which was also used to collect data on such varied topics as common property resources, traveling practices, use of mass-media, communication and financial services in India. This survey is the only nation-wide enquiry to provide estimates on certain characteristics of availability and use of drinking water and on some conditions of sanitation and hygiene at the national and State levels.

2. Background

2.1.1 *Past surveys*: In the past, information on conditions of drinking water and sanitation were collected on a fairly comprehensive scale during the 49th round (January-June,1993) and 44th round (July,1988-June,1989). Some data on drinking water were also collected during the 42nd round (July,1986-June,1987). Some data on drinking water as well as on sanitation were collected by the NSSO during the 38th round (January-December,1983) and 28th round (October,1973-June,1974). Although some data on conditions of drinking water and sanitation were collected during some earlier rounds of the NSSO, the samples for these rounds were too small to provide reliable estimates (see NSS Report No. 429). In all these past surveys however, information on items like conditions of drinking water (and on sanitation whenever collected) formed only a part of a multi-subject enquiry.

2.1.2 *The present survey*: In the present survey, information on several items under three heads, viz. drinking water, sanitation and other aspects of hygiene, was collected on a fairly comprehensive basis by canvassing a detailed block in Schedule 31 of the NSS 54th round. As was the case in the earlier rounds, in the present survey too, all such information sought was only a part of a multi-subject enquiry, although the other subjects of enquiry varied over the rounds. However, an attempt was made to broaden the scope of the survey by introducing a fairly large number of new items under each of the three heads mentioned above. These are mentioned in detail in the following sub-section.

3. Scope

3.1.1 *Items of enquiry*: In the present survey, for the period January-June,1998, the NSSO collected data on all those aspects of drinking water and sanitation which had been covered during the last two surveys conducted during January-June,1993 and during July,1988-June,1989. As regards drinking water, such data pertained to its source, availability, right of use and distance from the source. As regards sanitation, they pertained to bathroom type, right of use of bathroom, distance from bathing place, latrine type, right of use of latrine, distance from the latrine used, number of latrines to which a household had access and number of households using the latrine(s). Over and above these items, information was collected on several new items including certain aspects of hygiene. The detailed explanation for each of these terms is given separately in Chapter 2 ("Concepts and Definitions").

3.1.2 *New items*: Data on quite a number of new items were collected for the first time in this survey. For drinking water, these included (i) its supplementary source, (ii) measures normally taken to increase water supply (when water was insufficient), (iii) sufficiency from secondary source, (iv) its quality, (v) its treatment before actual consumption, (vi) its mode of storage and (vii) mode of taking out such stored water from the container. For sanitation, the new items included (i) drainage arrangement for waste water, (ii) whether enough water for daily bath was available to all household members, (iii) refuse disposal - mode of collection of garbage from house, site where such garbage was taken etc. and (iv) willingness to contribute towards improvement in sanitation. Some aspects of hygiene were also covered for the first time in these surveys. These pertained to (i) principal and secondary source of water for cooking, bathing and washing of utensils and (ii) concern of households regarding the problem of flies, mosquitoes and foul odour. In fact, some of the new items covered under drinking water, like items (iv), (v), (vi) and (vii) listed under drinking water, are also essentially aspects of hygiene.

3.1.3 *Geographical coverage*: The survey covered the whole of the Indian Union excepting (i) Ladakh & Kargil districts of Jammu and Kashmir, (ii) 768 interior villages of Nagaland situated beyond 5 kms. of the bus route and (iii) 195 villages of Andaman & Nicobar Islands which remain inaccessible throughout the year.

4. The Survey in Brief

4.1.1 *Method of data collection*: The survey used the interview method of data collection from a sample of randomly selected households. The sample design on the basis of which such selection was made is stated in brief in a later sub-section.

4.1.2 *Survey period*: The 54th round of the NSSO was of 6 months' duration, extending from January,1998 to June,1998. The survey period for this round was divided into two sub-rounds, each being of three months duration. The first sub-round period was from January to March,1998, and the second sub-round period was from April to June,1998. Equal number of sample villages and urban blocks were allotted for survey in each of these two sub-rounds. Each village/block was generally surveyed during the sub-round period to which it was allotted. This restriction was not strictly enforced in Andaman & Nicobar Islands, Lakshadweep and rural areas of Arunachal Pradesh and Nagaland because of difficult field conditions.

4.2 Sample Design

4.2.1 *Sample design*: The sample design adopted for the survey was essentially a stratified multi-stage one for both rural and urban areas. The census villages (*panchayat* wards in the case of Kerala) and urban blocks were the first stage units (FSUs) for the rural and urban sectors, respectively, while households were the ultimate stage sampling units in both the sectors. Formation of hamlet groups was done for large villages in rural areas only. Large villages were further sub-divided into a number of hamlet groups having equal population content and geographical contiguity. The details of formation of such hamlet groups and their selection for the purpose of survey are given in Chapter 3. The selection of villages was done based mainly on the 1991 census list of villages (1981 census list of villages for Jammu & Kashmir). For Kerala, the list of *panchayat* wards was used as the sampling frame for the selection of *panchayat* wards in rural areas. The selection of urban blocks was done based on Urban Frame Survey (UFS) conducted by the NSSO on an ongoing basis. The details of the sample design and estimation procedure adopted for the survey are given in Chapter 3 of this report.

4.2.2 *Sample size - first stage units*: In all, 10,974 villages were planned to be surveyed in this round. Of these, 5,242 villages were allocated to the Central sample which was the part surveyed mainly by the NSSO field staff. The remaining villages were allocated to the State sample, which was the part to be surveyed by the State agencies. In the urban sector, the allocations for the Central and State samples were 1,788 and 2,256, respectively. This report is based on the estimates obtained from the Central sample alone. The number of villages and urban blocks actually surveyed as the Central sample were 5,115 and 1,745, respectively.

4.2.3 *Sample size - second stage units*: For Schedule 31, a sample of 16 households from every selected village (or hamlet group) and 18 households from every selected urban block was planned to be surveyed. In the Central sample, the actual number of households surveyed was 78,990 in the rural sector and 31,323 in the urban sector.

5. Contents of the Report

5.1.1 This report contains four chapters, including the present introductory chapter, and an appendix. Chapter 2 states in detail the concepts and definitions of the different terms used in the survey in connection with the various items on which data were collected. Chapter 3 gives a fairly detailed description of the sample design and estimation procedure used for the survey. Chapter 4 discusses the main findings on the situation in India on various aspects of drinking water, sanitation and hygiene as obtained from the survey data analysis. The detailed data, based on which this report is brought out, are presented in the appendix.

5.2.1 *Appendix*: The appendix of the report contains 23 tables. Of these, 12 tables provide estimates on various aspects of drinking water supply to households between the period 01.01.1998 to 30.06.1998 including its quality, at the State and all-India levels for rural and urban areas. While in one table, some key estimates on drinking water and sanitation are presented, six tables exclusively deal with estimates on different aspects of sanitation such as bathroom, latrine and household garbage disposal. One separate table also gives estimates of proportions of households willing to contribute – in terms of two factors, viz. money and labour – towards improvement of sanitation in either their own neighbourhood or in their village/town. The remaining two provide estimates on some other aspects of hygiene. One of these gives the distribution of households by source of water for some important purposes other than drinking, viz. cooking, bathing and washing utensils. The other gives estimates of proportions of households expressing their concern on such problems as those of files, mosquitoes and foul odour, and stating whether such problems had increased or decreased over the last 5 years.

5.2.2 All the estimates presented in this report are based on the Central sample data only. Further, the cell-level figures in any of the detailed tables, when added up, may not exactly equal the figure shown against the "total' column (or line) due to (i) rounding off and/or (ii) presence of non-response cases. A footnote has been given in the Appendix Tables wherever such non-response cases arise.

Chapter 2

Concepts and Definitions

1.Introduction

1.1 The concepts and definitions of the important terms used in the survey and relevant to this report, viz. those relating to information on : source, availability and quality, etc., of drinking water; on aspects of sanitation such as type of bathrooms and latrines used, arrangements for drainage of waste water; and on various aspects of hygiene such as disposal of garbage, source of water for cooking, washing and bathing, problems of flies and mosquitoes in the area in which the sample households resided, etc., are explained in the following paragraphs .

2 Some common terms

2.1 *Household*: A group of persons who normally lived together and took food from a common kitchen constituted a household. The adverb "normally" means that temporary visitors were excluded but temporary stay-aways were included. Thus a child residing in a hostel for studies was excluded from the household of his/her parents, but a resident employee or a resident domestic servant or paying guest (but not just a tenant in the house) was included in the employer/host's household. "Living together" was given more importance than "sharing food from a common kitchen" in drawing the boundaries of a household in case the two criteria were in conflict. However, in the special case of a person taking food with his family but sleeping elsewhere (say, in a shop or a different house) due to space shortage, the household formed by such a person's family members was taken to include the person also. Each inmate of a hotel, mess, boarding-lodging house, hostel, etc., was considered to be a single-member household except that a family living in a hotel (say) was considered one household only. The same principle was applicable for the residential staff of such establishments.

2.2 *Major States*: The term will be used to denote the following States of India: Andhra Pradesh, Assam, Bihar, Gujarat, Haryana, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh and West Bengal. The remaining States and Union Territories of India are divided into three groups, viz. (I)North-Eastern, (ii)North-Western and (iii)Southern, for the purpose of presentation of estimates. These groups were formed as follows:
(i)North-Eastern Group: Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura.
(ii)North-Western Group: Jammu & Kashmir, Himachal Pradesh, Chandigarh, Delhi.
(iii)Southern Group: Andaman & Nicobar Islands, Dadra & Nagar Haveli, Goa, Daman & Diu, Lakshadweep, Pondicherry.

3. Drinking water

3.1 *Principal and supplementary Source*: If a household obtained drinking water from the same source throughout the last 365 days, then that source was treated as the *principal source* and there was no concept of supplementary source. If a household, during the last 365 days, obtained drinking water from more than one source, then the one most commonly used was treated as the principal source and the next one (in terms of frequency of use) was treated as the *supplementary source*. Thus, if a household used source A for 5 months of the year, source B for 4 months, and source C for 3 months, then A and B were treated as the principal and the supplementary source, respectively.

3.2 *Different sources:* The different sources - principal as well as supplementary - of drinking water were*: (i) tap; (ii) tube-well, hand pump; (iii) well;(iv) tank, pond (reserved for drinking); (v) other tank, pond; (vi) river, canal, lake; (vii) spring (vii) tanker; and (ix) other sources*. The source *tap* referred to the supply of water to households through pipe after suitable treatment, if required, by corporation, municipality, *panchayat* or other local authorities, or any private or public housing estate or water treatment agency. Water pumped up and supplied without any treatment, or transported by pipe, untreated, from river or well, was not regarded as tap water. Such water was regarded as coming from *river* or *well*, etc. The source *tanker* included all vehicles used by local authorities, charitable bodies, etc., for supplying water to an area. The remaining sources are self - explanatory.

3.3 *Distance of dwelling from principal source*: The distance actually travelled by the household along the roads or paths used to reach the principal source of drinking water, and not the distance "as the crow flies", was considered to be the distance of the dwelling from the principal source. The distance of the dwelling from the principal source of drinking water was recorded under one of the seven categories: (i) *within dwelling;* (ii) *outside dwelling but within premises;* (iii) *outside premises at distance < 0.2 km;* (iv) *outside premises at distance 0.2 - 0.5 km;* (v) *outside premises at distance 0.5 –1 km;* (vi) *outside premises at distance 1 - 1.6 km;* and (vii) *outside premises at distance beyond 1.6 km.*

3.4 *Right of use of principal source*: Right of use of the principal source of drinking water signified "access" to that source. In determining access to the source, the actual situation prevailing, and not the legal right, was considered. Right of use of the principal source of drinking water was recorded under four categories, viz. (i) used by *household alone; (ii) shared by a restricted set of households; (iii)* for *community use;* and *(iv) other*. The right of use category for *household alone* included cases where the household members only, and none else, had access to the source. The category *shared by a restricted set of* *households* included cases where the source was shared by a block of flats. For *community use* implied that access was either unrestricted, or restricted to an identifiable community such as a caste or religious group. The last category o*ther* included cases of access granted (to the sample household) by a neighbouring household to its own source, or access to a source meant for a block of flats obtained on the basis of good personal relations with some of the residents of that block of flats.

3.5 *Sufficiency of drinking water available from principal source throughout the year*: The informant's opinion on whether drinking water obtained from the principal source was adequate to meet his/her household's needs throughout the year was collected through a direct "yes" / "no" response.

3.6 *Month-wise sufficiency position of principal source of drinking water*: This was ascertained for those households where sufficient drinking water was not available from the principal source throughout the year. For these households, for each of the 12 months, information on whether drinking water available from the principal source was sufficient in that month was obtained through a direct "sufficient" / "insufficient" response.

3.7 *Measures normally taken to increase water supply when insufficient:* For those households where sufficient drinking water was not available from the principal source throughout the year, information on the measure taken to increase water supply was collected. There were six measures, viz. (i) *water supplied by local authorities through tankers, etc.*; (ii) *water supplied by charitable bodies etc.*; (iii) *water obtained from neighbors; (iv) water purchased by household; (v) other measures; and (vi) no measures.*

3.8 In the above paragraph, the phrase "normally taken" is of significance. If water scarcity arose 4 times in the last ten years but water was supplied by the local authorities only once, and no measures were taken on the remaining 3 occasions, then the normal situation was *no measures* taken. If more than one measure was applicable, then the one which was used most frequently by the sample household was considered to be the measure taken. When the principal source gave insufficient drinking water and the household started using a supplementary source, *other measures* was considered to be the measure taken.

3.9 *Sufficiency of drinking water available from supplementary source throughout the year*: The informant's opinion on whether the drinking water obtained from the supplementary source was adequate to meet his/her household's needs throughout the year was collected through a direct "yes"/"no" response.

3.10 *Month-wise sufficiency position of supplementary source of drinking water*: For those households where sufficient drinking water was not available from supplementary source throughout the year, for each of the 12 months, information on whether drinking water from the supplementary source was sufficient in that particular month was collected through a direct "sufficient"/ "insufficient" response.

3.11 *Quality of drinking water obtained from principal source*: Information on quality of drinking water obtained from principal source was collected from all households. The quality of drinking water was categorised as (i) *known to be polluted; (ii) clean but contains excess of iron or other mineral; (iii) bad taste due to unknown causes; (iv) cloudy due to unknown causes; (v) other defects;* and *(vi) satisfactory.* If the quality could fall under more than one category, then it was recorded as that which appeared earliest in the list. When quality could *not* be categorised under any one of the first five types, it was recorded as *satisfactory.*

3.12 *Hygiene and drinking water*: An attempt was made in the present survey to collect data on certain practices followed by households which indicate the attitude of their members towards their personal hygiene in relation to their drinking water. Three aspects on which data were collected in the survey, viz. treatment of drinking water, material of main container for storage of drinking water and mode of taking out water from container, are discussed below.

3.13 *Treatment of drinking water*: Data were collected on three methods of treatments, two of which were *physical* methods viz. filtration and boiling, and the other was *chemical*. The procedure followed for recording these methods is stated in the following three paragraphs.

3.14 *Filtering of water by household*: Information on filtering of water was collected from the households though a direct "yes"/ "no" response. If water was filtered by the household then further query was made whether filtering was done with plain clothes or by other process. *Other process* included use of water filter with a "filter candle", use of water purifier having a filter as well as a process of chemical treatment including treatment by ultra-violet radiation.

3.15 *Boiling of water by household*: If a majority of household members drank boiled water, then it was recorded that water was boiled by that household.

3.16 *Chemical treatment of water by household*: This included treatment with any of the following: chlorine, other halogens, alum, permanganate, radiation, or any other anti-bacterial treatment. Information on whether water was chemically treated or not was collected from the sample household through a direct "yes"/ "no" response.

3.17 *Material of main container for storage of drinking water*: The materials used for storing of drinking water were classified as: (i) e*arthen; (ii) plastic; (iii) other non-metal; (iv) iron (galvanised); (v) copper; (vi) stainless steel; (vii) brass; and* (viii) *other metal*. Those households, especially among those relying on tap water, which drank directly from the source (without storing any drinking water at all), were recorded under the category *no storage*.

3.18 *Mode of taking out water from container*: Information on mode of taking out drinking water from the main storage container was recorded under the following categories: (i) *through tap,* (ii) *poured out,* (iii) *vessel with handle dipped in to take out water* and (iv) *vessel without handle dipped in to take out water.*

4. Sanitation

4.1 Data collected on sanitation included those on various aspects of bathrooms and latrines used by households as also on drainage arrangement for their waste water and disposal of their refuse items.

4.2 *Bathroom type*: For recording this item, the bathroom *used* by household members was considered. In case more than one bathroom was used by household members, the one most commonly used was considered for recording the bathroom type. An open area without a roof used for bathing purposes was regarded only as a bathing place and *not* as a bathroom for this survey. For those households whose members did not use a bathroom, the bathroom type was recorded as *no bathroom*. The bathroom for a household was considered *attached* or *detached* depending on whether the bathroom used by it in the structure in which their living rooms were "attached" or "detached". "Attached" here meant that the bathroom was in the same structure as the dwelling unit. If the dwelling unit was housed in a single structure, there was no problem. A dwelling unit may, however, be spread over more than one structure. In such cases, if the structure containing the bathroom had rooms for living purposes, then the bathroom was considered "attached" to the dwelling unit. "Rooms for living purposes" included bedroom, sitting-room, reading room, dining room and prayer room.

4.3 *Right of use of bathroom*: Households using no bathroom (see last para) were not questioned in this regard. This item was recorded under the same four categories as in the case of right of use of principal source of drinking water, and hence, the explanations for these categories remain the same as those stated earlier (see para 2.3.4).

4.4 *Distance from usual bathing place*: A bathing place was considered to be any place used for taking a bath. It might not be a bathroom. For those households with "no bathroom" (see para 2.4.2) only, the distance of the dwelling unit from the usual bathing place was recorded under one of the same seven categories stated earlier under "distance of dwelling from the principal source" (see para 2.3.3).

4.5 *Enough water to have a daily bath*: Information on adequacy of water to have a daily bath was collected from all households, whether using a bathroom or not, through a direct "yes" / "no" response.

4.6 *Latrine type*: For recording information on this item, the latrine used by the majority of the household members was considered. In case more than one kind of latrine was used by the household members, the one most commonly used was considered as the proper latrine type for the purpose of recording. Latrine type was categorised as: (i) *no latrine,* (ii) *service latrine,* (iii) *septic tank,* (iv) *pour flush pit,,* (v) *sewerage system and* (vi) *other.* Households whose members did not have any latrine facility, i.e. those using open area as latrine were classified under the category *no latrine. Service latrine* referred to the non-sanitary latrine where the excreta accumulated at the excretion spot and was physically removed regularly. A latrine connected to underground septic chambers was categorised as *septic tank* while a flushing toilet with water seal (pan trap) and soak pit, where the liquid leached out from the pit to be dispersed in the soil system, was regarded as *pour flush pit*. When the latrine was part of an off-site sanitation system and was connected to a network of underground pipelines through which the excreta was transported, it was categorised under *sewerage system*. Any other type of latrine was categorised under *others*.

4.7 *Right of use of latrine*: No data was collected on this aspect for households using *no latrine*. For households using a latrine, right of use of latrine was determined by ascertaining "who had access to the latrine used by the household members." The categories for right of use of latrine were identical to those for right of use of principal source of drinking water (see para 2.3.4) or that of bathroom (see para 2.4.3) and hence the relevant explanations also remain the same.

4.8 *Number of latrines to which the household has access and number of households using the latrine(s)*: Data on these items were collected only for households sharing one or more latrines with a restricted set of households. If, for instance, the household used 2 latrines, A and B, and there were 5 other households also had access to the latrines A and B, then the number of latrines to which the household had access was recorded as 2 and the number of households using the latrine was recorded as 6.

4.9 *Distance of the dwelling from the latrine used*: For those households using a latrine, information on the distance of the dwelling unit from the latrine used was collected and recorded as belonging to either of the 4 categories: (i) *within dwelling,* (ii) *outside dwelling but within premises,* (iii) *outside premises at distance < 0.5 km and* (iv) *outside premises at distance beyond 0.5 km.*

4.10 *Drainage arrangement for waste water:* "Drainage arrangement" referred to built-up channels for carrying waste water away from the premises of a building to a drainage system, a water flow, or a water deposit. Data were collected under the categories: *(i) no drainage, (ii) open katcha, (iii) open pucca, (iv) covered pucca and (v) underground.*

4.11 *Mode of collection of garbage from house*: Information on this item was recorded under 4 categories: (i) *by local authorities*, (ii) *by private arrangement among residents*, (iii) *by household members* and (iv) *other*. While the first category is self-explanatory, the second category included cases where a group of residents (including the household) of the area made the arrangement for garbage clearance. The third category included cases where the household made its own arrangement as also cases where the household members dumped the garbage in a common dumping spot away from the house and the local authorities arranged for its removal from the dumping spot. The category *other* included cases of removal of garbage by charitable bodies.

4.12 *Site where garbage was taken:* Such sites were categorised as: (i) *bio-gas plant or manure pit*, (ii) *community dumping spot*, (iii) *household's individual dumping spot* and (iv) *other*. While the second category is self-explanatory, the third one included cases where the household dumped its garbage indiscriminately or where a small number of households dumped their garbage in a particular spot. The first category included cases where the garbage was first taken to a community dumping spot and from there to a bio-gas plant.

4.13 *Willingness to contribute towards improving sanitation*: Information on this aspect was sought in terms of improvement in (i) the neighbourhood and (ii) village /town where the household was located. In both cases, such willingness to contribute was sought to be obtained for contribution in terms of *(i) money only, (ii) labour only, (iii) money and labour* and *(iv) neither money nor labour*. Willingness to contribute to improvement of even one specific aspect of sanitation (e.g. latrine) was construed as "willingness".

5. Other aspects of hygiene

5.1 Some practices followed by households in relation to drinking water, information on which reflect the awareness of household members towards their personal hygiene have already been explained (see para 2.3.12). Information on some other practices followed by households for characteristics like use of water for certain purposes other than drinking, as also on their concern for problems like vector menace or foul odour was also collected during the present survey. These aspects are discussed below.

5.2 *Principal and supplementary source of water for cooking/ bathing/ washing utensils*: The definitions of *principal* and *supplementary* sources of water for cooking, bathing and dishwashing were the same as those of drinking water. The different sources - principal as well as supplementary - of water for cooking/ bathing / washing utensils were the same as those stated earlier for drinking water.

If two sources of cooking water were used simultaneously, the source from which the greater amount of cooking water was taken, was regarded as the principal source and the other as the supplementary source. If different household members used two different sources of bathing water, the source used by the majority was considered as the principal source. If this source was available and used throughout the year, the other source (used by fewer household members) was taken to be the supplementary source. If two different sources were used simultaneously for washing of utensils, the water with which the majority of utensils was washed was regarded as the principal source and the other as the supplementary source.

5.3 *Concern about flies/mosquitoes/foul odour*: Information on existence of the problems of *flies*/ mosquitoes/ foul odour as reported by households for their area was collected through a direct "yes"/ "no" response.

5.4 *Change in the intensity of these problems*: Information on the change in intensity of the problem of flies/ mosquitoes/ foul odour over the last 5 years was sought from respondents by asking them to state whether they considered such problems to have "increased" or "decreased" or "remained unchanged". Cases where the informant could not assess whether the problem had increased or decreased or remained unchanged, were recorded under the category "remained unchanged".

Chapter 3

Sample Design and Estimation Procedure

1. Sample design

1.1.1 A stratified multi-stage sampling design for rural as well as urban areas was adopted for the survey. The first-stage units were census villages (*panchayat* wards in the case of Kerala) for rural areas and the NSSO Urban Frame Survey (UFS) blocks for urban areas. Households formed the ultimate stage units in both rural and urban areas.

1.2.1 *Sampling frame for first-stage units (FSUs)*: For rural areas, the list of census villages of 1991 population census (1981 census list for Jammu & Kashmir) constituted the sampling frame for most of the states. For the rural areas of Kerala, however, the list of *panchayat* wards was used as the sampling frame for selection of *panchayat* wards. For Nagaland, the list of villages located within 5 kms. of a bus route constituted the sampling frame, whereas, for Andaman & Nicobar Islands, the list of accessible villages constituted the sampling frame. For the urban areas, the lists of latest UFS blocks for all cities and towns constituted the sampling frames.

1.3.1 *Stratification in the rural areas*:From the list of villages of each State/Union Territory (U.T.) , initially, three separate strata were formed by considering villages (a) with no population, (b) with very small population and (c) with very high population These are formally stated below:

stratum 1 : all uninhabited villages (as per 1991 census)

stratum 2 : villages with population 1 to 50 (including both the boundaries) as per 1991 census

stratum 3 : villages with population more than 15,000 as per 1991 census

Each of the above three strata were formed only when there were at least 10 villages of the specified population in the State/U.T. as per 1991 population census. Otherwise, these villages were included in the general strata as described below.

1.3.2 After formation of strata 1, 2 and 3 (wherever applicable), the remaining villages of the State/U.T. were considered for formation of the general strata. Each district with a population less than 2 million as per 1991 census formed a separate stratum. A district having a population of 2 million or more was divided into two or more strata, depending on its population, as per the usual procedure followed in NSS. For Gujarat, some districts cut across NSS regions. In such cases, the part of a district falling in an NSS region formed a separate stratum.

1.4.1 *Stratification in urban areas*: For the urban areas, strata were formed within each NSS region by grouping towns on the basis of their population as per 1991 census (1981 population census for Jammu & Kashmir) as specified below:

stratum no.	composition of strata within a NSS region
1	all towns with population less than 50,000
2	all towns with population 50,000 or more but less than 2 lakhs
3	all towns with population 2 lakhs or more but less than 10 lakhs
4,5	each city with population 10 lakhs or more

1.4.2 *Sub-stratification* : Unlike the rural strata , each urban stratum was further divided into two sub-strata as follows:

sub-stratum 1 : UFS blocks identified as 'slum areas'
sub-stratum 2 : remaining UFS blocks of the stratum

1.5.1 *Allocation of first-stage units (FSUs)* : A total all-India sample of 7030 FSUs (5242 villages and 1788 urban blocks) for the central sample were allocated to the States/U.Ts in proportion to their investigator strength. State/U.T. level sample size was allocated between rural and urban areas in proportion to their population. State/U.T. level rural/urban allocations are given in table A at the end of this chapter.

1.5.2 Next, a suitable sample size – a minimum of 2 and a maximum of 6 villages, the exact number depending on the total number of villages in the frame - was allocated to stratum type 1 of rural areas of each State and U.T. In all, 68 sample villages were allocated to stratum 1 of the rural areas, considering all those States/U.Ts where stratum type 1 was formed. From stratum 2, a sample of a maximum of 6 villages was selected from each State or U.T. The number of sample villages sampled from stratum 3 was either 2 or 4, depending upon whether the number of villages in the frame of stratum type 3 was less than 20 or more. The remaining sample size (i.e. total allocation for the rural areas less the allocations for strata 1,2 and 3) of rural areas of each State and U.T. was allocated to the general strata (i.e. the strata other than strata 1, 2 and 3) in proportion to their population.

1.5.3 Similarly, the urban sample size at the State/U.T. level was allocated to the urban strata in proportion to their population. Stratum-level allocations were made in multiples of 4, wherever possible. The sample size for an urban stratum was further allocated between the two sub-strata in proportion to the number of UFS blocks in the respective sub-strata by giving double weightage to sub-stratum 1, while simultaneously, ensuring a minimum sample size of 2 or 4 blocks to sub-stratum 1, depending upon whether the stratum level allocation was 4 or greater than 4. All sub-stratum level allocations were done in multiples of 2.

1.6.1 *Selection of first-stage units* : The selection of the sample FSUs was done in the form of two independent sub-samples as follows :

sector	stratum type	sub-stratum	selection procedure
rural	1	-	css with equal probability @
	2	-	-do- *
	3	-	-do- *
	others	-	css with pps *
urban	each	each	css with equal probability **

(css : circular systematic sampling pps : probability proportional to size, size = population)

@ arrangement of villages in the frame is same as that of census
* after arranging the FSUs in ascending order of population
** after arranging the towns by districts and further arranging the towns in each district in ascending order of their population.

1.7.1 *Selection of hamlet-groups in rural areas*: There are villages in India which contain large populations. Listing all the households of such a village requires considerable amount of time and effort of field officials. To limit their work-load at this stage of survey operation, the large villages were further subdivided into a specified number of parts, by grouping contiguous natural hamlets, in such a way that each group contained natural hamlets, in such a way that each group contained approximately an equal fraction of the village population. These groups of hamlets were called hamlet-groups(hg).From the specified number of hamlet groups (depending upon the approximate present population) thus formed, a random sample of the hamlet-groups was drawn for the subsequent stages of the survey. The number of hamlet-groups formed and selected for the survey were as follows :

approx. present population of the village	number of hgs formed (D)	number of hgs selected for survey(d)
less than 1200	no hg formation	entire village is selected for survey
1200 - 1999	4	2
2000 - 2499	5	2
2500 - 2999	6	2
3000 - 3499	7	2
3500 - 3999	8	2
4000 - 4499	9	2
4500 - 4999	10	2
5000 - 5499	11	3
.	.	.
9500 - 9999	20	3
10000 - 10499	21	4
.		
14500 - 14999	30	4
15000 - 15499	31	5 @
and so on		

@ 5 hgs were selected for survey from each selected village having a present population of about 15000 or more

However, for the rural areas of Himachal Pradesh, Sikkim, and Punch, Rajouri, Udhampur and Doda districts of Jammu & Kashmir, the limit was D=1 for population less than 600, D=4 for population 600 - 1199, D=5 for population 1200 – 1499, D=6 for population 1500 – 1799, and so on. The number of hgs selected for survey was d=2 for D=4 to 10, d=3 for D=11 to 20, d=4 for D=21 to 30 and d=5 for D>30.

1.7.2 It may be noted that UFS blocks did not require further division for limiting the work load. The UFS bloks - the FSUs for the urban sample - were formed in a manner so that each contained a population of 800 to 1200.

1.8.1 *Second-stage stratification (for selection of households)*: In rural areas, all the households of a sample village, or the selected hamlet groups of it, were classified into 3 second-stage strata. The households engaged in free collection (other than fuel-wood and marine fishing) formed second-stage stratum 1. Other rural households were grouped into two second-stage strata - those with wage/salary earning but possessing land less than 0.40 hectare formed second-stage stratum 2 while the rest of the households formed second-stage stratum 3. The households of second-stage stratum 3 in rural areas were arranged by area of land possessed before sample selection. In urban areas also, households were grouped into three second-stage strata, but by following a procedure different from that followed for rural areas. Urban households with means of livelihood (m.l.) category “self-employed” or “regular wage/salary earnings” formed second-stage stratum 1. Those with means of livelihood category “casual labour” constituted second-stage stratum 2, while the remaining urban households were grouped as second-stage stratum 3. The households of second-stage stratum 1 in urban areas were arranged by m.l codes x mpce classes before sample selection.

1.9.1 *Selection of households* : For schedule 31, a sample of 16 households from each selected village (or selected hamlet-group) and 18 households from each selected UFS block were selected for the survey.

1.9.2 The 16 households selected from each selected village (or selected hamlet-group) were allocated among the three second-stage strata in proportion to the number of households in the respective frames with a minimum allocation of 4, 2 and 2 households, respectively, to second-stage strata 1, 2 and 3. In the case of selected urban blocks, the total of 18 households was allocated to the three second-stage strata in proportion to the number of households in the respective frames with a minimum of 2 samples to each second-stage stratum.

1.9.3 While allocating the above total number of sample households among the three second-stage strata, if allocation for one particular second-stage stratum was less than the minimum allocation specified for the second-stage stratum, its quota was increased to the said minimum number and the residual total allocation was made between the other two second-stage strata in proportion to the total number of households in the respective frames. The sample households were selected circular systematically with independent random starts from the respective frame of households in each second-stage stratum.

2. Estimation Procedure

2.1.1 The estimation procedure adopted in the 54th round for schedule 31 is briefly indicated here.

2.2.1 *Notation*: The notation used for describing the estimation procedure is as given below:

s = subscript for stratum
t = subscript for sub-stratum (t= 1 & 2 for the urban sector and there is no sub-stratum in the rural sector)
i = subscript for sample village/block
j = subscript for second-stage stratum of a sample village/block
k = subscript for sample household
b = subscript for sub-sample (b=1, 2)
z = size of the sample village/block used for selection (z=1 for each block)
Z = total size for a stratum or sub-stratum as per the frame
n = number of sample villages/blocks surveyed including uninhabited and zero cases and excluding casualty and other not received cases (i.e . no. used for tabulation)
D = number of hamlet-groups formed in the sample village
d = number of hamlet-groups selected for survey
H = total number of households listed in the frame
h = number of sample households available for tabulation
y = value of any characteristic under estimation in a sample village/block/household
$\hat{Y}$ = estimate of population total of the characteristic y

2.3.1 *Estimates of aggregates*:

For schedule 31, the formula used for the estimation of the aggregates of s-th stratum and b-th sub-sample is as specified below:

For rural areas:

$$\hat{Y}_{sb} = \frac{Z_s}{n_{sb}} \sum_{i=1}^{n_{sb}} \frac{D_{sbi}}{d_{sbi}} \frac{1}{z_{sbi}} \sum_{j=1}^{3} \frac{H_{sbij}}{h_{sbij}} \sum_{k} y_{sbijk}$$

For urban areas:

$$\hat{Y}_{sb} = \sum_{t=1}^{2} \frac{Z_{st}}{n_{stb}} \sum_{i=1}^{n_{stb}} \sum_{j=1}^{3} \frac{H_{stbij}}{h_{stbij}} \sum_{k} y_{stbijk}$$

Note : (i) For strata 1,2 and 3 in the rural sector, z=1 and Z= total number of villages in the frame of the respective strata whereas for other strata in the rural sector, z= population of the sample village as per the frame used for selection and Z= total population of the stratum.

(ii) When $D=1$, $d=1$ & for $D \geq 4$, $2 \leq d \leq 5$

(iii) When H>0 but h=0 for any second-stage stratum, that second-stage stratum was merged with any of the other two second-stage strata. In particular, if h=0 for H>0 for second-stage stratum 1, it was merged with second-stage stratum 3. If second-stage stratum 2 became a casualty, it was merged with second-stage stratum 3. Lastly, if second-stage stratum 3 became a casualty, it was merged with second-stage stratum 1.

The pooled estimate of s-th stratum based on two sub-samples has been obtained as

$$\hat{Y}_s = \frac{1}{2}\sum_{h=1}^{2}\hat{Y}_{sh}$$

The pooled estimate $\hat{Y}$ at the region/State/U.T./all-India has been obtained by summing the stratum estimates $\hat{Y}_s$ over all the strata of the region/State/U.T./all-India.

2.4.1 *Estimates of ratios*: The estimate of the ratio $R = \frac{Y}{X}$ (where X and Y are the population totals of the two characters) was obtained as $\hat{R} = \frac{\hat{Y}}{\hat{X}}$.

Table A : Allocation of sample FSUs by State/U.T.

state/u.t.	**no. of fsu's in**				**no. of sample households**	
	rural		**urban**			
	allotted	**surveyed**	**allotted**	**surveyed**	**rural**	**urban**
(1)	(3)	(2)	(5)	(4)	(6)	(7)
Andhra Pradesh.	364	364	132	132	5721	2356
Arunachal Pradesh *	52	49	8	7	719	126
Assam	214	206	28	28	3243	504
Bihar	478	477	72	72	7464	1283
Goa	18	18	12	12	256	212
Gujarat	190	190	96	96	2939	1701
Haryana	82	82	24	24	1222	430
Himachal Pradesh	132	127	12	12	1914	214
Jammu & Kashmir	192	116	60	27	1719	536
Karnataka	204	204	88	88	3152	1566
Kerala	204	204	72	72	2911	1296
Madhya Pradesh	372	372	112	112	5802	2010
Maharashtra	344	344	212	212	5359	3806
Manipur	60	60	24	16	873	414
Meghalaya	70	70	16	16	1040	277
Mizoram	42	42	36	36	594	648
Nagaland	56	56	12	11	895	196
Orissa	220	220	36	36	3401	646
Punjab	166	166	72	72	2533	1295
Rajasthan	228	228	64	64	3501	1129
Sikkim	60	60	8	8	936	144
Tamil Nadu	338	336	176	176	5324	3138
Tripura	108	76	20	20	1216	360
Uttar Pradesh	638	638	156	156	10003	2792
West Bengal	340	340	124	124	5312	2222
A & N Islands	38	38	12	12	502	216
Chandigarh	4	4	12	12	64	216
D & N Haveli	4	4	4	4	64	72
Daman & Diu	4	4	4	4	64	72
Delhi	10	10	68	68	119	1158
Lakshadweep	6	6	4	4	64	72
Pondicherry	4	4	12	12	64	216
All India	**5242**	**5115**	**1788**	**1745**	**78990**	**31323**

*(* no cluster sampling in Arunachal Pradesh)*

Chapter 4

Summary of findings

1. Introduction

1.1.1 As stated in Chapter 1, the present report provides estimates on certain characteristics regarding the availability and use of drinking water as also on certain aspects of sanitation and hygiene at the all-India and State levels. All such estimates are based on central sample data only. This chapter summarises the important findings of the survey and discusses salient features pertaining to these different aspects.

1.1.2 The following section, viz. section 2, deals with various aspects of drinking water. Some aspects of sanitation are looked into in section 3. Finally, section 4 covers certain aspects of hygiene. As stated earlier (in Chapter 2), these aspects of hygiene have been canvassed for the first time. The following paragraphs provide a more detailed outline of section 2, 3 and 4.

1.1.3 Section 2, to start with, examines the proportions of households served by different principal sources of drinking water. This is followed by the study on the distribution of households by their distance from their principal sources. Next, the distribution of households by their access to these principal sources is taken up for study. The problem of insufficiency of drinking water for households from their principal sources is then looked into. First, an attempt is made to gauge the intensity (month-wise) of this problem, which is followed by a study on how long, in terms of calendar months, the problem persisted. Measures taken to alleviate this problem are studied next. Moreover, this problem quite naturally leads one to studying the availability of drinking water through some supplementary source. This aspect is, therefore, taken up next for examination.

1.1.4 Certain aspects of drinking water, like its quality, its treatment before actual consumption by household members, extent of its storage and practices of taking such stored water out of their container, clearly pertain to the hygiene of the household members. However, the households have no control over the quality of water available from the principal source serving them as such while households could take an active role in deciding the other aspects of hygiene stated above. Thus, while quality of water was discussed separately, the other hygiene-related issues on drinking water formed the basis of discussion in the last sub-section under section 2.

1.1.5 Aspects of sanitation discussed in section 3 pertain to certain basic human facilities like bathroom and latrine, as also methods of disposal of household refuse. The aspect of bathroom was taken up first, with a study being made on the proportions of households with different bathroom types, on how far the actual bathing places were located from households and in terms of their accessibility to members of household. After the above discussion, similar analysis was

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taken up for latrine. Issues related to sanitation like extent of garbage removal by different modes and shifting of refuse to various sites are discussed thereafter.

1.1.6 Some aspects of hygiene not related with drinking water are discussed in section 4. They pertain to water available and used for some important purposes other than drinking, viz. for cooking, for bathing and for washing utensils. The other aspect of hygiene discussed here is the concern of household members over some forms of vector menace, such as flies and mosquitoes, as also that of foul odour.

2. Drinking water

2.1 Drinking water from principal source

2.1.1 It would be of interest to know to what extent households were served by the different principal sources. Table 1 presents the percentages of households served by the principal sources as estimated from the present survey, i.e. the 54th round (January,1998 – June,1998).[1]

Table 1: Percentage distribution of households by principal source of drinking water during 1998

source of drinking water	% of households in	
	rural	urban
(1)	(2)	(3)
tap	18.7	70.1
tubewell, hand pump	50.1	21.3
well	25.8	6.7
tank/ pond reserved for drinking	1.3	0.2
other tank/ pond	0.6	0.1
river/ canal/ lake	1.3	0.2
spring	1.7	0.1
tanker	0.2	1.0
other	0.2	0.1
all	100.0	100.0

2.1.2 It is seen from Table 1 that during 1998, among rural households, about 50% were served by *tubewell / hand pump* while about 26% and 19% were served by *well* and *tap*, respectively. During the same period, as many as 70% of urban households were estimated to have been served by *tap* as their principal source, while *tubewell/ hand pump* served about 21% of these households.

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[1] For brevity, 1998 is given as the reference point for the estimates. This practice is followed for the earlier rounds as well.

2.1.3 *Change over time*: Table 2 presents the percentages over different time periods, corresponding to the earlier NSS surveys in which data were collected on this aspect (see Chapter 1). However, since data were not separately collected for the source *other tank/pond* and *tanker* during the 44th round, they have been grouped under *tanks, ponds etc.* and *others*, respectively, in Table 2 for the purpose of comparability over different rounds.

Table 2: Percentage distribution of households by principal source of drinking water during 1988, 1993 and 1998

source of drinking water	% of households in rural 1988 (44th rd.)	rural 1993 (49th rd.)	rural 1998 (54th rd.)	urban 1988 (44th rd.)	urban 1993 (49th rd.)	urban 1998 (54th rd.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
tap	15.5	18.9	18.7	72.1	70.4	70.1
tubewell, hand pump	39.1	44.5	50.1	17.2	18.5	21.3
well	39.1	31.7	25.8	9.2	8.6	6.7
tank, ponds etc.	2.2	2.1	1.9	0.3	0.8	0.3
river/ canal/ lake	2.4	1.7	1.3	0.3	0.1	0.2
spring	1.4	0.9	1.7	0.2	0.1	0.1
other	0.6	0.3	0.4	0.8	1.4	1.1
all	100.0		100.0	100.0	100.0	100.0

Source of estimates of 44th and 49th rounds: NSS Report Nos. 376 and 429, respectively

2.1.4 It is clear from Table 2 that the overall pattern in terms of importance of the different principal sources remained unchanged over the last decade. However, among rural households, the proportion served by *tubewell and hand pump* gradually increased while those served by *well* gradually decreased during the last decade. A similar situation prevailed in urban areas, too.

2.1.5 *Drinking water from principal source by distance*: The distance separating the households from their principal source of drinking water is an important indicator of the level of living of the household members. Table 3 shows the percentage distribution of households by these principal sources for various stretches of distance between the households and their principal sources.

Table 3: Percentage distribution of households by principal source of drinking water and distance from source during 1998

principal source of drinking water	percentage of households with principal source									number of sample house-holds
	within dwell-ing	out-side dwe-lling but within premises	outside premises at distance					n.r.	all	
			< 0.2 km	0.2 - 0.5 km	0.5 - 1.0 km	1.0 - 1.6 km	>1.6 km			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
				rural						
tap	19.1	22.0	55.9	2.3	0.4	0.1	0.1	0.0	100	16549
tubewell, hand pump	14.9	19.3	59.8	4.8	0.9	0.1	0.1	0.0	100	35955
well	0.0	22.7	66.4	6.8	2.4	0.5	1.1	0.0	100	19731
tank/pond reserved for drinking	0.0	9.6	65.1	10.7	4.7	4.1	5.7	0.0	100	1264
other tank/pond	0.0	34.9	47.6	9.7	2.5	0.2	5.0	0.0	100	646
river/canal/lake	0.0	0.0	57.6	27.3	11.5	1.3	2.4	0.0	100	1314
spring	0.0	0.0	39.2	22.6	5.6	31.8	0.8	0.0	100	2939
tanker	0.0	22.6	71.0	1.1	0.6	0.0	4.8	0.0	100	147
other	9.6	13.8	42.9	20.5	7.3	1.0	5.0	0.0	100	261
n.r.	2.0	33.7	48.9	2.3	0.6	0.0	1.4	11.1	100	184
all	**11.0**	**20.1**	**60.4**	**5.6**	**1.5**	**0.8**	**0.5**	**0.0**	**100**	**78990**
				urban						
tap	45.8	25.3	27.1	1.3	0.3	0.2	0.0	0.0	100	22182
tubewell, hand pump	29.8	29.1	37.7	1.7	1.3	0.3	0.1	0.0	100	5767
well	0.0	45.2	48.9	3.6	2.0	0.2	0.0	0.0	100	2237
tank/pond reserved for drinking	0.0	10.1	46.9	15.9	19.8	0.0	7.2	0.0	100	165
other tank/pond	0.0	6.7	56.1	15.1	16.8	5.2	0.0	0.0	100	77
river/canal/lake	0.0	0.0	54.5	16.6	28.8	0.0	0.1	0.0	100	133
spring	0.0	0.0	92.5	4.4	2.9	0.2	0.0	0.0	100	315
tanker	1.3	7.5	76.8	8.6	0.2	5.8	1.2	0.0	100	320
other	15.6	3.4	47.6	13.1	5.8	9.6	3.9	1.1	100	80
n.r.	80.4	0.0	5.6	0.0	0.0	0.0	0.4	13.7	100	47
all	**38.6**	**27.1**	**31.5**	**1.7**	**0.7**	**0.3**	**0.1**	**0.0**	**100**	**31323**

2.1.6 Table 3 tells that as per the survey results, when all principal sources were considered, a vast majority of households - an estimated 92% in rural and an estimated 97% in urban areas – had such sources either within their premises or outside their premises, but within a distance of 0.2 km. However, only about 31% of rural and 66% of urban households reported their principal source within the premises of their dwelling units.

2.1.7 A closer look at Table 3 reveals that among three percent of rural households, the proportions being served by *river/canal/lake* or *spring* as their principal source, those located at more distant places (more than 0.2 km.) were distinctly higher than among households served by any other principal source. In urban areas, the same feature is seen for the principal sources *tank/pond, other tank/pond* and for *river/canal/lake.*

2.1.8 *Change over time*: It would be interesting to see how the distribution of households by distance from their principal source had changed over the last decade. Table 4 presents the distribution as estimated from the 44th, 49th and the 54th rounds. Since data are not available against all the categories of distance for which data were collected during the 54th round, suitable categories, "within premises", "less than 0.5 km" and "1 km and above" for which comparable data exist over the earlier rounds, have been presented in Table 4.

Table 4: Percentage distribution of households by distance from source of drinking water in different NSS rounds

round	survey period	percentage of households with principal source					
		within premises	outside premises at distance			n.r.	all
			< 0.5 km	0.5 - 1 km	1 km & above		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			rural				
44 th	July '88 - June '89	23.2	72.4	3.5	0.7	0.2	100
49 th	Jan -June 1993	34.3	62.5	2.2	0.9	0.1	100
54 th	Jan -June 1998	31.1	66.0	1.5	1.3	0.0	100
			urban				
44 th	July '88 - June '89	58.3	40.1	1.1	0.4	0.1	100
49 th	Jan -June 1993	66.2	32.9	0.6	0.3	0.1	100
54 th	Jan -June 1998	65.7	33.2	0.7	0.4	0.0	100

Source of estimates of 44th and 49th rounds: NSS Report Nos. 376 and 429, respectively

2.1.9 Table 4 reveals that, as per survey results for each of the three rounds, a very high proportion – 96% or more of households, both in rural or urban areas - had their principal source of drinking water within their premises or outside their premises, but within a distance of 0.5 km. The percentage of households enjoying this facility within their premises was much higher - by about 11 percentage points in rural and about 8 percentage points in urban areas - in the 49th round, than in the 44th round (1988-89). However, compared to the 49th round, the percentage of households enjoying such facility was a little lower in both rural and urban areas during the present survey (54th round).

2.1.10 In the present survey, distribution of households by their right of use (see Chapter 2) was done over 4 categories. Of these 4 categories, the category *available to the household alone* is of primary interest. Further, the category *shared by a restricted set of households* was defined in the present survey in such a manner (see Chapter 2,) that the two categories *for community use* and *others* were strictly not identical with those used in the earlier NSS surveys, where data on such categories were collected. However, the definition for the category *sole access,* i.e. available to members of that household alone, remained the same in all the surveys. Hence, the proportions of households falling under this category for the present survey could be compared with those estimated from the past survey data. Table 5 present the figures obtained from the 28th, 44th and 49th rounds in addition to those reported in the present survey.

Table 5: Percentage of households having sole access to drinking water in different NSS rounds

round	survey period	% of household with sole access to drinking water	
		rural	urban
(1)	(2)	(3)	(4)
28 th	Oct.'73 - June '74	11.0	23.2
44 th	July '88 - June '89	17.7	34.8
49 th	Jan -June 1993	20.6	40.2
54 th	Jan -June 1998	23.4	41.3

Source of estimates of 28th, 44th and 49th rounds: Sarvekshana Oct. 1977, NSS Report Nos. 376 and 429, respectively

2.1.11 Table 5 reveals that during 1998, a much higher proportion (41%) of households had *sole access* to their principal source of drinking water in urban areas than in rural areas (23%). Further, a gradual increase in this proportion is observed over the years in both rural and urban areas.

2.2 Insufficiency of drinking water from principal source

2.2.1 Till now, the various principal sources of drinking water and their distance from the dwelling units of the households they served were discussed. A pertinent question arises : was the quantum of water available to a household from its principal source sufficient to meet the needs of all household members? An attempt has been made in the following paragraphs to address this question.

2.2.2 Initially, an attempt is made to find out to what extent – if at all – the households were affected by such insufficiency, and if so, how intense this problem was. Table 6 presents the distribution of households by number of months for which they reported insufficient drinking water from their principal sources during the present survey.

Table 6 : Percentage distribution of households by number of calendar months in which they experienced insufficiency of drinking water from principal source during 1998

sector	percentage of households reporting insufficiency of drinking water from principal source in							
	no month	1 month	2 month	3 month	4 month	5 month	6 or more months	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
rural	87.0	0.3	3.4	4.9	3.1	0.6	0.7	100
urban	85.1	0.2	3.4	4.8	3.7	1.0	1.8	100

2.2.3 As per the survey results, during 1998, an estimated 13% of rural - and an estimated 15% of urban – households did not get sufficient drinking water from their principal sources during at least one month of the previous year. Among households facing this problem, a majority suffered for an extent of 3 months, while many suffered for 4 or 2 months. Less than 1% of households in rural areas and 2% in urban areas faced the problem for more than 5 months.

2.2.4 After having an idea of the intensity of insufficiency of drinking water, a probe is made into the particular period of the year - in terms of calendar months – when the problem was most acute. The findings of the present survey in this regard are given in Table 7.

Table 7: Per 1000 number of households reporting insufficiency of drinking water from principal source in specific month of the year during 1998

sector	number of households per thousand reporting insufficiency of drinking water from principal source in the month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov.	Dec
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
rural	8	14	42	86	120	99	30	11	7	5	5	6
urban	14	24	53	101	141	120	49	23	14	12	11	13

2.2.5 From Table 7, it is seen that as regards insufficiency in availability of drinking water from principal source, May, June and April were the worst months - in that order – both in rural and in urban areas. The table also suggests that a higher proportion of urban households (than of rural households) faced the problem throughout the year.

2.2.6 *Measures normally taken when water is insufficient*: When drinking water from their principal source is insufficient, households are likely take recourse to some measure for meeting such shortfall. This aspect was studied with the help of Table 8, which gives the percentages of households taking some specific type of measure (or no measure) as obtained from the survey results.

Table 8: Percentage distribution of households reporting insufficiency of drinking water for some part of the year by measures normally taken when water was insufficient during 1998

sector	percentage of households among those reporting insufficiency of drinking water for some part of the year who report						
	no measures taken	water supplied by local authority by vehicle	water supplied by charitable bodies	water obtained from neigh-bours	water purchase	other measures	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
rural	23.8	4.7	0.7	24.1	1.7	45.1	100
urban	17.2	7.5	0.7	23.8	5.8	45.1	100

2.2.7 Table 8 reveals that a substantial portion of households (about 45%) who reported supply of drinking water from their principal source as insufficient (for some part of the year) reported *other measures* been normally taken by them. An estimated 24% of households *in both rural and urban areas* - reported *getting water from neighbours*. About 24% of rural households and 17% of urban households reported *no measures* being normally taken by them.

2.2.8 *State-level variations*: A study of the variation among States in the proportions of households reporting insufficiency of drinking water and adoption of different measures to tackle such insufficiency, throws up some interesting results. Table 9 presents the distribution of such households for each major State as obtained from the present survey.

Table 9: Percentage distribution of households for different States reporting insufficiency of drinking water (DW) for some part of the year by measures normally taken when water was insufficient during 1998

state	% of hhs reporting insufficient DW for some part of the year	percentage of households among those reporting insufficiency of drinking water for some part of the year and report the measures taken as						
		no measures taken	water supplied by local authority by vehicle	water supplied by charitable bodies	water obtained from neighbours	water purchase	other measures	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
				rural				
Andhra Pradesh	22.1	36.3	2.7	0.8	12.5	2.0	45.8	100
Assam	7.8	43.6	0.0	0.4	31.8	0.0	24.1	100
Bihar	6.0	18.9	0.0	0.0	48.6	0.0	32.6	100
Gujarat	12.3	10.7	10.2	0.7	27.6	0.3	50.5	100
Haryana	18.0	2.7	0.4	2.0	56.5	4.5	33.9	100
Karnataka	16.2	27.4	0.2	0.0	9.9	2.5	60.1	100
Kerala	30.4	6.0	4.1	0.1	68.6	1.0	20.2	100
Madhya Pradesh	12.9	14.2	0.6	0.2	21.0	0.5	63.5	100
Maharashtra	25.1	16.8	16.6	1.3	15.1	0.8	49.3	100
Orissa	15.9	39.6	1.1	0.2	2.0	1.0	56.1	100
Punjab	3.7	9.1	0.0	0.0	30.8	0.0	60.2	100
Rajasthan	9.1	13.7	0.7	0.4	5.3	14.7	65.2	100
Tamil Nadu	18.2	32.1	2.4	0.6	18.8	2.9	43.3	100
Uttar Pradesh	5.0	23.9	0.7	1.0	44.3	0.7	29.3	100
West Bengal	6.2	35.6	7.7	0.9	27.2	0.4	28.2	100
India	**13.0**	**23.8**	**4.7**	**0.7**	**24.1**	**1.7**	**45.1**	**100**
				urban				
Andhra Pradesh	30.1	26.9	13.3	0.3	11.1	7.3	41.0	100
Assam	1.8	0.0	0.0	0.0	32.1	0.0	67.9	100
Bihar	18.9	10.7	0.8	0.0	46.3	0.9	41.3	100
Gujarat	17.7	6.0	3.5	0.3	39.7	3.2	47.4	100
Haryana	23.4	11.9	4.2	9.5	56.4	0.0	18.0	100
Karnataka	17.5	24.6	4.9	1.6	22.1	1.8	45.0	100
Kerala	15.4	2.8	16.0	0.5	60.7	1.2	18.8	100
Madhya Pradesh	15.8	6.8	3.5	0.9	8.3	0.0	80.5	100
Maharashtra	13.7	14.9	12.9	0.1	12.5	9.0	50.5	100
Orissa	10.4	44.6	0.1	0.0	6.1	16.6	32.6	100
Punjab	5.7	12.7	0.0	0.0	67.9	0.0	19.4	100
Rajasthan	15.9	8.0	0.0	0.0	7.0	25.4	59.6	100
Tamil Nadu	12.9	15.8	9.6	0.4	32.9	11.7	29.6	100
Uttar Pradesh	7.3	9.3	1.9	0.4	31.5	0.4	56.4	100
West Bengal	2.9	26.2	16.6	0.0	21.9	7.0	28.3	100
India	**14.9**	**17.2**	**7.5**	**0.7**	**23.8**	**5.8**	**45.1**	100

2.2.9 *In rural areas:* Among the affected households normally taking some specific measure, *water obtained from neighbours* was reported as the most frequently taken measure in rural India. While about 24% of affected households took recourse to this measure at the all-India level, in some States, this frequency was reported to be much higher. It was about 69% in Kerala, 57% in Haryana, 49% in Bihar and 44% in Uttar Pradesh. However, in States like Punjab, Rajasthan and Karnataka, this frequency was very low. Among the other specific measures, *water supply by charitable bodies* was reported infrequently – by less than 1% of households at the all-India level (and less than 2% at the State-level) among the affected households. The *purchase of water* was normally taken recourse to by an estimated 15% of rural households in Rajasthan but it was reported by very few households in other States –less than 2% of households at the all-India level (and less than 5% at the State-level). *Water supply by local authorities by vehicle* was reported by very few affected households in most states, the exceptions being Maharashtra (17%) and Gujarat (10%). In many States, a sizable proportion of the affected households reported *no measure* at all. The exceptional States were Haryana (3%) and Kerala (6%), where, incidentally, water was reported to be most frequently available from neighbours. Except in Kerala and Assam, where less than a fourth of the affected households normally took *other measures,* the proportion of affected households normally taking *other measures* was estimated to be quite high (more than 30%) in a majority of the States.

2.2.10 *In urban areas*: The situation was a little different in urban areas (see Table 9). Affected households in urban areas of Punjab, Kerala, Haryana and Bihar most frequently reported obtaining water from neighbours rather than any other measure. Of the above mentioned 4 States, *other measures* were reported to have been taken by fewer affected households (less than 20%) in Haryana, Kerala and Punjab than in the other States. In urban Assam, affected households either adopted *other measures* (68%) or *obtained water from neighbours* (32%). A large proportion (80%) of the affected households in urban Madhya Pradesh also reported having taken *other measures*. Very few of the affected households reported *water supply by charitable bodies* in any State, except in Haryana (10%). Similar was the case for affected households reporting *water supply by local authority*, with some notable exceptions, viz. West Bengal (17%), Kerala (16%), Andhra Pradesh (13%), Maharashtra (13%) and Tamil Nadu (10%). *Water purchase* was resorted to by a significant proportion of the affected households in urban areas of Rajashtan (25%), Orissa (17%) and Tamil Nadu (12%) and by quite a number of affected households in Maharashtra (9%), Andhra Pradesh (7%) and West Bengal (7%).

2.3 Supplementary source of drinking water

2.3.1 In the above sub-section, it was seen that a high proportion of households, among those reporting insufficient drinking water from their principal source of drinking water, indicated *other measures* as the measure normally taken by them to increase their water supply. Moreover even among households reporting sufficient drinking water being available to them from their principal source, some could take recourse to a supplementary source for reasons like better quality of such water, closer proximity to it, etc. Thus, it is of interest to know to what extent households used some supplementary source of water for the purpose of drinking. This aspect is looked into in the following paragraphs.

2.3.2 Table 10 presents the proportion of households reporting some supplementary source of drinking water. It is seen that about 18% of households – be they in rural or urban areas – reported some supplementary source for their drinking water supply.

Table 10: Percentage distribution of households reporting some supplementary source of drinking water during 1998

sector	percentage reporting supplementary source
(1)	(2)
rural	18.4
urban	18.3

2.3.3 It would be interesting to examine how the households served by different principal sources were distributed among the different supplementary sources of drinking water. Table 11 shows the distributions as estimated from the results of the survey, separately for rural and urban areas. It may be noted that a supplementary source of a household could be of the same type as the principal source when the two are physically different.

Table 11: Percentage distribution of households using a supplementary source of drinking water by type of supplementary source, for each type of principal source during 1998

principal source of drinking water	percentage of hhs among those reporting use of supplementary source for whom the supplementary source of drinking water is										no. of samp. hhs rep. supp. source of drink.water
	tap	tube-well hand-pump	well	tank/ pond reserv. for drinking	other tank/ pond	river/ canal/ lake	spr-ing	tan-ker	ot-her	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
rural											
tap	2.7	44.3	34.4	2.7	2.4	6.4	5.6	1.0	0.5	100	5991
tubewell, hand pump	9.6	20.1	51.1	2.1	4.4	7.3	1.2	1.8	2.4	100	4640
well	7.7	50.5	23.7	1.9	3.5	6.6	2.3	2.9	1.1	100	3918
tank/ pond reserv. for drink.	3.9	22,4	30.4	11.9	12.0	6.3	1.2	9.5	2.2	100	433
other tank/ pond	5.6	33.2	33.3	0.1	19.0	5.8	1.0	0.0	2.0	100	194
river/ canal/ lake	21.3	41.9	14.5	11.3	1.5	2.4	5.2	0.4	1.5	100	393
spring	13.0	22.9	16.2	0.1	0.4	17.2	24.1	2.0	4.0	100	565
tanker	8.1	5.3	28.4	0.0	55.2	3.0	0.1	0.0	0.0	100	48
other	9.4	36.0	15.5	0.0	7.4	2.9	13.4	6.2	9.3	100	63
all	**6.9**	**36.8**	**36.4**	**2.6**	**4.0**	**6.7**	**3.3**	**2.0**	**1.4**	**100**	**16273**
urban											
tap	8.9	58.1	22.2	0.7	0.6	3.0	1.0	4.3	1.2	100	4720
tubewell, hand pump	36.8	30.5	15.2	0.5	1.5	1.4	0.0	12.7	1.5	100	616
well	18.0	24.2	39.3	0.1	2.1	3.7	0.0	4.5	8.2	100	425
tank/ pond reserv. for drink.	0.0	1.6	53.8	0.0	17.5	17.4	7.9	0.0	1.7	100	37
other tank/ pond	9.7	80.2	4.2	1.8	1.6	1.5	1.1	0.0	0.0	100	23
river/ canal/ lake	60.0	20.8	11.4	0.0	2.2	5.5	0.0	0.0	0.0	100	35
spring	8.1	34.4	0.0	1.6	7.3	5.2	16.6	6.9	19.8	100	52
tanker	7.8	39.1	41.9	3.9	0.4	0.0	0.0	2.4	4.4	100	109
other	46.5	0.0	24.4	0.0	0.0	0.0	15.8	0.0	13.3	100	27
all	**12.7**	**52.0**	**23.2**	**0.7**	**0.8**	**2.9**	**0.8**	**5.1**	**1.8**	**100**	**6046**

note: the row 'all' includes households with 'n.r.' principal source of drinking water

2.3.4 *In rural areas*: Among rural households reporting use of some supplementary source of drinking water, *tube well/hand-pump* and *well* were reported most frequently. An estimated 37% and 36% of such households reported *tube-well/hand-pump* and *well* as their supplementary source, respectively, while about 7% reported *tap* and *river/canal/lake* as their supplementary source. Thus, about 87% of all such households were accounted for by these four sources. This pattern is broadly true for only a few of the marginal distributions of households by their principal source of drinking water. A different pattern is observed for the principal source *tank/pond reserved for drink*, for which as many as 10% to 12% of households reported their supplementary sources as *tank/pond etc.*, *other tank/pond etc.* or *tanker*. Different patterns are also observed for the principal sources *other tank/pond*, *river/canal/lake*, *spring* and *tanker*.

2.3.5 *In urban areas*: The situation differed somewhat in urban areas. More than half (52%) of the urban households which reported use of some supplementary source of drinking water indicated *tubewell, handpump* as their supplementary source. Less than a quarter (23%) of such households reported *well*, while about 13% reported *tap* and 5% reported *tanker* as their supplementary source. Thus, about 93% of all households reporting use of some supplementary sources reported use of one of these four supplementary sources. However, this pattern does not hold true in general if the distribution of households using some supplementary source is seen separately for households served by each of the principal sources. For example, among households served by *river/canal/lake* as their principal source but using some supplementary source also, as many as 60% reported *tap* while only 21% reported *tubewell/ handpump* as their supplementary source.

2.4 Quality of drinking water

2.4.1 Drinking water available to households from their principal sources is quite likely to be of varying quality. Different causes for quality being unsatisfactory were reported during the present survey (see Chapter 2). Table 12 presents the distribution of households by various categories of quality for each principal source of drinking water, separately for rural and urban areas. It may be noted that the quality reported was as per the perception of the respondent.

Table 12: Percentage distribution of households with specific principal source of drinking water by quality of drinking water from that source during 1998

principal source of drinking water	percentage of households with drinking water known to be polluted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but contain excess of iron or other mineral	having other defects	of satisfactory quality	n.r.	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
rural								
tap	0.7	0.6	0.9	2.6	0.8	90.3	4.1	100
tubewell, hand pump	0.8	1.3	1.4	7.6	1.9	85.3	1.8	100
well	1.2	1.7	2.0	2.9	2.0	83.2	7.1	100
tank/ pond reserv. for drink.	5.8	6.2	4.7	2.1	3.1	68.6	9.6	100
other tank/ pond	8.3	3.3	14.5	2.7	10.4	55.4	5.4	100
river/ canal/ lake	8.4	4.2	9.0	3.5	6.8	67.3	0.7	100
spring	0.9	0.2	0.9	1.0	6.2	90.6	0.3	100
tanker	0.1	1.3	0.6	8.6	0.0	89.3	0.0	100
other	5.9	2.0	2.0	0.8	12.5	76.9	0.0	100
all	1.1	1.3	1.7	5.2	1.9	85.1	3.7	100
urban								
tap	2.0	0.7	2.0	1.8	0.7	92.6	0.1	100
tubewell, hand pump	0.9	2.7	1.0	7.6	1.3	86.1	0.3	100
well	2.6	1.6	1.3	2.0	1.3	89.5	1.6	100
tank/ pond reserv. for drink.	20.8	0.9	0.2	0.7	0.3	76.8	0.3	100
other tank/ pond	0.0	5.2	29.6	0.0	0.0	65.2	0.0	100
river/ canal/ lake	12.7	0.0	27.3	0.1	7.1	52.7	0.0	100
spring	0.0	0.3	0.3	0.0	2.4	97.0	0.0	100
tanker	0.2	1.4	0.5	2.6	5.3	89.8	0.2	100
other	0.5	0.0	0.2	6.7	0.0	91.5	1.1	100
all	1.9	1.2	1.8	3.0	1.0	90.8	0.3	100

2.4.2 *In rural areas*: Table 12 shows that, in rural areas, 85% of households reported drinking water served by their principal source to be of satisfactory quality. However, this proportion varied over the principal sources. Only 55% of the households being served by *other tank/pond* as their principal source, and 67% and 69% of those served by *river/canal/lake* and *tank/pond, etc.*, respectively as their principal source, reported quality of such drinking water to be *satisfactory*. Among households using *other tank/ pond* as their principal source, dissatisfaction over quality was most frequent for the categories *cloudy due to unknown causes* (15%), having *other defects* (10%) and *known to be polluted* (8%). The same categories were also more frequently reported among households using *river/canal/lake* as their principal source.

Excess of iron or other mineral was reported to be the major cause of dissatisfaction among households served by *tubewell/ handpump* or by *tanker* as their principal source. It may be noted that the table reflects users' perception on the quality of drinking water for a particular principal source.

2.4.3 *In urban areas*: Table 12 also shows that although 91% of all urban households reported satisfaction regarding the quality of drinking water available to them from their principal source, the proportion of households reporting such satisfaction was much lower for households served by such principal sources as *river/canal/lake* (53%), *other tank/pond* (65%) and *tank/pond etc.* (77%). Dissatisfaction was reported most frequently for water being *cloudy due to unknown causes*, the proportion being 30% for households served by *other tank/pond* as the principal source and 27% for households served by *river/canal/lake* as the principal source. Dissatisfaction due to water *known to be polluted* was quite high among households using *tank/pond etc.* (21%) and *river/canal/lake* (13%) as their principal sources.

2.5 Drinking water and hygiene

2.5.1 Some aspects of drinking water such as its treatment before actual consumption by household members, extent of its storage and practices of taking out such stored drinking water from the container wherein it was stored, throw some light on the sense of hygiene of household members as manifest in the practices followed by them in these matters. These aspects are next looked into.

Table 13: Percentage of households filtering/chemically treating/ boiling their drinking water during 1998

sector	percentage of households			
	filtering		chemically treating	boiling
	with plain cloth	by other process		
(1)	(2)	(3)	(4)	(5)
rural	15.2	2.9	1.2	4.3
urban	22.7	12.9	3.3	11.0

2.5.2 *Treatment before actual consumption*: The proportion of households filtering (either by plain cloth or by some other process) or boiling or chemically treating their drinking water prior to its actual consumption, as estimated from the present survey results, is presented in Table 13, separately for rural and urban areas.

2.5.3 Table 13 reveals that only a few households reported as treating their drinking water chemically before use in rural or urban areas. However, a significantly higher percentage of households in urban areas filtered or boiled their drinking water than in rural areas. The survey results indicate that an estimated 36% of urban households practised filtration (23% with plain cloth, 13% by some other process) as against an estimated 18% in rural areas. Further, 11% of urban households resorted to boiling while only 4% reported this practice in rural areas.

Table 14: Percentage distribution of households by mode of taking out drinking water from the main storage container during 1998

sector	% of hhs storing drinking water	% of hhs storing drinking water and taking out from main storage container					
		using a tap	by pouring water out	by dipping in a vessel with a handle	by dipping in a vessel without a handle	n.r.	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
rural	93.1	1.7	28.8	13.1	56.1	0.3	100
urban	95.5	11.3	13.7	25.4	49.4	0.2	100

2.5.4 *Storage of drinking water and mode of taking it out from container*: Table 14 presents the proportion of households storing drinking water and the distribution of such households by methods followed by them for taking drinking water out of the container.

2.5.5 It is clear from Table 14 that a vast majority of households – 93% in rural and 96% in urban areas – reported storing their drinking water. However, rural and urban areas differed quite sharply in terms of prevalence of different practices followed in taking such stored water out of its container. *Taps* were used by an estimated 11% of urban households as against only 2% in rural areas. Water was taken out *by dipping in a vessel with a handle* by about 25% of urban households but only 13% of rural households. Water taken out *by dipping in a vessel without a handle* was reported by 56% of rural households as against 49% of urban households.

3. SANITATION

3.1 Bathroom

3.1.1 *Bathroom type* : The various types of bathrooms available to households have been explained in Chapter 2. Table 15 presents the distribution of households by their available bathroom type as estimated from the present survey as well as that estimated from the only earlier survey viz. 49th round (January-June 1993), which collected data in this regard.

Table 15: Percentage distribution of households by bathroom type during 1993 and 1998

	percentage of households with				
period	bathroom attached to dwelling unit	bathroom detached from dwelling unit	no bathroom	n.r.	all
(1)	(2)	(3)	(4)	(5)	(6)
		rural			
1993 (49 th rd.)	5.4	7.5	87.0	0.1	100
1998 (54 th rd.)	7.3	11.6	81.0	0.1	100
		urban			
1993 (49 th rd.)	27.5	26.0	46.5	0.0	100
1998 (54 th rd.)	34.7	29.9	35.3	0.1	100

Source of estimates of 49th round: NSS Report No. 429

3.1.2 It is evident from Table 15 that there was a clear rural-urban divide in 1998, as well as in 1993, in terms of the type of bathroom available to households. The pattern remained the same during the two periods, viz. a much higher proportion (above 80%) of households reported *no bathroom* in rural areas than the proportion in urban areas (47% during 1993 and 35% during 1998).

3.1.3 *Change over time* : Table 15 also shows that there has been a perceptible improvement during the intervening period, 1993 to 1998, with regard to the availability of bathroom facility in both rural and urban areas. Although the proportion of households reporting *no bathroom* was estimated during 1998 at a high 81% in rural areas, it was less by 6 percentage points than the corresponding estimate during 1993. In urban areas too, there was a fall in this proportion by about 12 percentage points from 47% during 1993 to 35 % during 1998. There was a rise of about 7 percentage points in the proportion of households having own *attached* bathroom in urban areas over the same period - from an estimated 28% in 1993 to an estimated 35% in 1998.

3.1.4 *Distance from usual bathing place* : It is seen from Table 16 that *no bathroom* is available to a large section of rural as also a quite substantial section of urban households. It would be of interest to see how far the usual bathing place was from such households. Table 16 displays the distribution of households having *no bathroom* by distance from their usual bathing place as estimated from the present survey.

Table 16: Percentage distribution of households having no bathroom by distance from usual bathing place during 1998

	percentage of households with usual bathing place								
sector	within dwelling	outside dwelling but within premises	outside premises at distance					n.r.	all
			< .2 km	0.2 - 0.5 km	0.5 - 1.0 km	1.0 - 1.6 km	> 1.6 km		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
rural	21.4	41.0	29.2	6.0	1.2	0.2	0.2	0.7	100
urban	40.0	38.6	17.5	2.4	0.4	0.0	0.0	1.0	100

3.1.5 *In rural areas* : It is seen from Table 16 that the usual bathing place for the household members having *no bathroom* was mostly (62%) within the same premises. In fact, about 21% of households reported their using bathing place to be *within the dwelling* itself. Another 29% households reported the place to be *outside premises but within 0.2 km.* while another 6% reported it to be *between 0.2 km. to 0.5 km.* Only a small percentage of households reported their usual bathing place to be beyond 0.5 km.

3.1.6 *In urban areas* : The situation in urban areas was better than in rural areas. A high 79% of households having *no bathroom* reported their usual bathing place to be *within premises*, more than half of whom reported such place to be *within the dwelling* itself. Another 18% reported such place to be *outside premises but within 0.2 km.* Less than 4% of households reported the place to be beyond 0.2 km.

3.1.7 *Access to bathroom* : After considering households having *no bathroom,* a close look may be taken at the other households, viz. those having *some bathroom* . As stated earlier (see para 2.1.10), data on access of households to a facility - in the present case, bathroom - were collected by recording them under four categories. Such data on access to bathroom have been collected for the first time in the present survey, and hence no comparison of the proportions can be attempted with any past data. As such, proportions for each of the four categories, as obtained from the present survey only, separately for rural and urban areas, are obtained. Table 17 presents these proportions.

Table 17: Percentage of households using bathroom by their access to bathroom during 1998

sector	percentage of households where the bathroom facility is available to the household alone	is shared by a restricted set of hhs	is for community use	other	n.r	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)
rural	87.2	11.2	0.4	0.4	0.8	100
urban	75.0	22.6	1.8	0.3	0.4	100

3.1.8 Table 17 shows that, among households using some type of bathroom, a very high proportion had *sole access* to their bathroom used - 87% in rural areas and 75% in urban areas. Households sharing their bathroom with a *restricted set of households* were a minority, 11% in rural and 23% in urban areas. A negligible proportion of households used bathrooms which were meant *for community use* in either rural or urban areas.

3.2 Latrine

3.2.1 *Latrine type* : The distribution of households by type of latrine, as estimated from the present survey, is presented in Table 18 separately for rural and urban areas . The rural-urban divide is quite evident from Table 18. During 1998, a high 83% of rural households reported *no latrine used* as against just 26% of urban households. Only about 8% and 1% of rural households reported using *septic tank* and *sewerage system,* respectively, whereas 35% and 22% of urban households reported using these two types of latrine, respectively.

Table 18: Percentage distribution of households for different states by type of latrine used during 1998

state	percentage of households using a latrine of type							
	no latrine used	service latrine	septic tank	pour flush pit	sewerage system	other	n.r.	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
				rural				
Andhra Pradesh	88.5	1.1	9.3	0.6	0.1	0.4	0.0	100
Assam	24.7	19.3	5.4	6.5	13.1	30.8	0.2	100
Bihar	89.4	1.6	4.5	1.3	0.5	2.6	0.1	100
Gujarat	79.9	0.4	15.3	2.5	1.8	0.1	0.0	100
Haryana	84.5	1.0	7.6	5.1	1.3	0.4	0.0	100
Karnataka	88.9	0.3	2.6	7.7	0.2	0.3	0.0	100
Kerala	23.1	2.9	26.0	29.3	0.9	17.7	0.0	100
Madhya Pradesh	94.5	1.1	3.4	0.8	0.0	0.1	0.0	100
Maharashtra	85.8	1.6	11.6	0.3	0.3	0.3	0.0	100
Orissa	96.1	0.9	1.7	0.5	0.1	0.6	0.0	100
Punjab	67.9	0.9	16.8	4.2	1.3	8.9	0.0	100
Rajasthan	87.0	3.4	3.3	2.3	0.0	4.0	0.0	100
Tamil Nadu	88.5	0.8	7.9	0.9	0.6	1.3	0.0	100
Uttar Pradesh	90.6	2.9	4.5	1.2	0.2	0.6	0.0	100
West Bengal	76.1	6.3	9.0	2.6	0.7	5.2	0.0	100
India	**82.5**	**2.7**	**7.5**	**2.9**	**0.8**	**3.5**	**0.0**	**100**
				urban				
Andhra Pradesh	30.8	1.2	42.9	4.6	17.9	2.4	0.1	100
Assam	2.0	20.1	61.1	3.3	1.0	12.5	0.0	100
Bihar	45.3	5.2	45.2	3.6	0.2	0.3	0.2	100
Gujarat	21.1	1.8	33.8	7.2	35.8	0.4	0.0	100
Haryana	32.9	9.7	7.5	16.5	32.3	1.1	0.0	100
Karnataka	30.0	1.8	22.0	18.1	27.4	0.7	0.0	100
Kerala	5.1	3.6	48.8	25.5	7.8	9.3	0.0	100
Madhya Pradesh	45.2	6.2	40.3	4.9	3.5	0.0	0.0	100
Maharashtra	15.8	1.6	30.3	4.6	47.4	0.3	0.0	100
Orissa	35.8	7.7	50.5	3.4	0.8	1.7	0.0	100
Punjab	14.8	1.3	23.4	6.5	50.3	3.7	0.0	100
Rajasthan	25.5	5.2	33.3	19.3	7.2	9.6	0.0	100
Tamil Nadu	32.5	3.0	33.8	6.5	22.3	1.8	0.0	100
Uttar Pradesh	28.2	17.7	32.2	10.7	11.0	0.1	0.0	100
West Bengal	15.2	5.1	55.8	7.2	11.0	5.8	0.0	100
India	**25.5**	**5.9**	**35.2**	**8.4**	**22.5**	**2.5**	**0.0**	**100**

3.2.2 *State-level variation in rural areas* : The distribution of households by latrine type exhibited quite significant variations over the major States during 1998 as seen from Table 18. In Kerala (23%) and Assam(25%), fewer households compared to other States reported *no use of latrines*. In Assam, far higher proportions of households reported *service latrine* (19%), *sewerage system* (13%) and *other type* (31%) than in any other State. In Kerala, *septic tank* was much more in use (26%) than in any other State, although this proportion was reported as quite high in Punjab(17%) and Gujarat(15%). Kerala also reported a high proportion of households using *pour flush pit* (29%).

3.2.3 *State-level variation in urban areas* : Table 18 shows that in urban areas too, state-level variation was quite remarkable. During 1998, very few households in Kerala (5%) and Assam(2%) reported *use of no latrines*. Use of *septic tank* was reported very frequently in Assam(61%), West Bengal (56%), Orissa(51%) and Kerala (49%). A considerable proportion of households reported using *service latrine* in Assam (20%) and Uttar Pradesh (18%) during 1998. Use of *sewerage system* was quite frequently reported in Punjab(50%) and Maharashtra (47%). In the States of Kerala, Rajasthan and Karnataka, many households reported use of *pour flush pit* - the proportions being 25%,19% and 18%, respectively.

3.2.4 *Change over time in distribution by latrine type:* Among the various type of latrines on which data were collected in the present survey, the types *pour flush pit* and *sewerage system* have been introduced for the first time in this survey. However, these two categories did not fully cover the type *flush system*[2], which was one of the categories during the earlier rounds (44th and 49th), when data were collected separately by latrine type. As such, proportions of households by these two new types of latrine are not shown in table 19, which has been given to compare the proportions of households by various types of latrine as estimated from these three rounds.

Table 19: Proportion of households by type of latrine used during 1988, 1993 and 1998

	rural			urban		
'year	no latrine used	service latrine	septic tank	no latrine used	service latrine	septic tank
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1988 (44th rd.)	89.0	1.6	3.7	31.8	11.7	25.8
1993 (49th rd.)	85.8	2.4	5.5	30.6	7.4	29.6
1998 (54th rd.)	82.5	2.7	7.5	25.5	5.9	35.2

Source of estimates of 44th and 49th rounds: NSS Report Nos. 376 and 429 , respectively

3.2.5 Table 19 reveals that, in both rural and urban areas, the pattern of usage(or non-usage) of latrine remained broadly the same over the period 1988 to 1998. *No latrine* was quite frequently reported - much more so in rural than in urban areas. However, a gradual fall - though small - in the proportion of such households is noticeable during this ten-year period. Use of *septic tank* was on the rise - more so in urban than in rural areas. However, unlike in urban areas, use of *service latrine* in rural areas did not fall – rather, there was a small increase (by 1 percentage point) in the proportion of such households during this ten-year period.

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[2] *During the earlier two rounds (44th and 49th), 'flush system' meant latrines connected to underground sewerage system only.*

3.2.6 *Access to latrine* : During the present survey, data on access of households to the latrine used by them were collected under the same four categories of right of use as done earlier for the other two facilities, viz. drinking water and bathroom (see paragraphs 2.1.10 and 3.1.7). However, as explained earlier (see paragraph 2.1.10), for the sake of meaningful comparison with the earlier rounds, only the estimated proportions for the category *sole access,* i.e. available to the particular household alone, are compared. Table 20 presents the estimated proportions as obtained from the 28th, 38th, 44th and 49th rounds, in addition to the present one (54th round), separately for rural and urban areas.

Table 20: Percentage of households having sole access to latrine in different NSS rounds

round	survey period	% of households with sole access to latrine	
		rural	urban
(1)	(2)	(3)	(4)
28 th	Oct '73 – June '74	4.0	24.1
38 th	Jan – Dec 1983	5.9	26.8
44 th	July '88 – June '89	8.2	36.7
49 th	Jan –June 1993	10.2	40.4
54 th	Jan –June 1998	13.0	46.1

Source of estimates of 28th, 38th, 44th and 49th rounds: Sarvekshana Oct. 1977, Sarvekshana Oct. 1988, NSS Report Nos. 376 and 429, respectively

3.2.7 Table 20 clearly shows that the proportion of households having *sole access* to the latrine used by them is steadily increasing over the years in both rural and urban areas. However, this proportion was much higher in urban areas than in rural areas. While the proportions were 46% and 13% in urban and rural areas, respectively, during 1998, they were 24% and 4% in urban and rural areas, respectively, during 1973-74.

3.2.8 *Distance from latrine used* : Among households using some latrine, one could like to know what distance the household members had to traverse to reach the latrine used by them. Table 21 presents the proportions as estimated during 1998, separately for rural and urban areas.

Table 21: Percentage distribution of households using a latrine by distance from latrine used for different States during 1998

state	percentage of households using a latrine				
	within premises	outside premises at distance		n.r.	all
		< 0.5 km	beyond 0.5 km		
(1)	(2)	(3)	(4)	(5)	(6)
		rural			
Andhra Pradesh	89.2	5.5	0.8	4.6	100
Assam	89.5	9.8	0.1	0.6	100
Bihar	72.5	5.9	3.3	18.4	100
Gujarat	82.0	15.8	0.4	1.8	100
Haryana	88.5	8.5	0.4	2.6	100
Karnataka	89.1	8.9	1.8	0.3	100
Kerala	96.9	2.2	0.3	0.6	100
Madhya Pradesh	73.4	9.1	0.3	17.3	100
Maharashtra	62.3	24.1	1.1	12.6	100
Orissa	94.7	0.1	0.8	4.3	100
Punjab	93.2	4.9	0.1	1.8	100
Rajasthan	87.7	6.3	1.1	4.9	100
Tamil Nadu	84.3	4.6	2.6	8.5	100
Uttar Pradesh	88.5	5.5	2.1	3.9	100
West Bengal	79.7	8.3	0.5	11.5	100
India	**85.3**	**8.1**	**0.9**	**5.7**	**100**
		urban			
Andhra Pradesh	90.5	4.1	1.6	3.8	100
Assam	91.4	7.4	0.0	1.2	100
Bihar	96.7	1.6	0.0	1.7	100
Gujarat	89.6	10.4	0.0	0.0	100
Haryana	98.9	1.2	0.0	0.0	100
Karnataka	92.6	7.3	0.0	0.1	100
Kerala	98.5	1.0	0.5	0.0	100
Madhya Pradesh	86.8	3.7	0.1	9.4	100
Maharashtra	75.3	23.6	0.3	0.9	100
Orissa	87.1	0.1	12.8	0.0	100
Punjab	98.1	1.5	0.2	0.2	100
Rajasthan	98.5	2.1	1.4	0.8	100
Tamil Nadu	91.1	7.0	0.1	0.9	100
Uttar Pradesh	97.4	2.1	0.0	0.5	100
West Bengal	86.1	7.5	0.1	6.3	100
India	**89.2**	**8.3**	**0.5**	**1.9**	**100**

3.2.9 It is seen from Table 21 that in both rural and urban areas, a vast majority (more than 85%) of households using latrine reported such latrines being located within their premises itself. Members of an estimated 8% of such households had to travel a distance of up to 0.5 km. to reach the latrine used by them, in rural as well as urban areas.

3.2.10 *State-level variation in distance from latrine used:* Table 21 also gives the distribution discussed in the previous paragraph for major States, separately for rural and urban areas. In rural areas, among the major States, the proportion of households using latrine within their premises was reported to be relatively low in Maharashtra (62%), Bihar (73%) and Madhya Pradesh (73%) compared with the national level estimate (85%). In Gujarat and Maharastra, proportion of households whose members had to travel a distance of up to 0.5 km. to use their latrine, was reported to be relatively higher -16% and 24%, respectively. In urban areas, the pattern in the major States broadly resembled that of all - India, Maharashtra and Orissa being the two glaring exceptions. In Maharashtra, as many as 24% of the households using latrine reported that they had to travel up to 0.5 km. for using their latrine, while in Orissa, as many as 13% of the households reported such distance to be more than 0.5km.

3.3 Disposal of household refuse

3.3.1 *Removal of garbage :* The various modes of removal of household refuse were stated earlier (in Chapter 2) . The proportions of households reporting removal of their household waste by different modes as estimated by the present survey are presented in Table 22.

Table 22: Percentage distribution of households by arrangement of removal of garbage from house during 1998

sector	% of households reporting removal of garbage by					
	local authorities	private arrangement among residents	household members	other arrangement	n.r.	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)
rural	0.7	1.8	94.2	3.2	0.1	100
urban	13.7	11.9	71.2	3.2	0.0	100

3.3.2 It is seen from the table that although most of the households reported their members being responsible for removal of garbage away from their houses, the proportion was much higher (94%) in rural areas than (71%) in urban areas. The likely reasons for this feature are much more active role played by local authorities and a higher extent of private arrangement for such removal among residents in urban areas. In urban areas, about 14% and 12% of the households reported their waste removal by *local authorities* and *private arrangement among* *residents,* respectively, the corresponding proportions being much lower (1% and 2%, respectively) in rural areas.

3.3.3 *Site where garbage was taken :* It is of interest to examine where such household refuse was shifted to, after being taken away from the house. Table 23 presents the distributions of households by different sites, separately for rural and urban areas, as estimated by the present survey .

Table 23: Percentage distribution of households by site where garbage is shifted after removal from house during 1998

sector	percentage of households reporting garbage shifted to					
	bio-gas plant or manure pit	community dumping spot	household's individual dumping spot(s)	other	n.r.	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)
rural	6.9	3.5	66.6	22.8	0.2	100
urban	1.4	47.2	29.6	21.7	0.1	100

3.3.4 About two-thirds (67%) of rural households and less than one-third (30%) of urban households reported their waste being taken to *individual dumping spots.* However, a substantial section of urban households (47%) reported removal of their waste to *community dumping spot*, which was much higher than a meagre 4% of rural households reporting removal to such sites. An estimated 7% of rural and 1% of urban households reported removal of garbage to a *bio-gas plant or manure pit* during 1998. The category *other* accounted for quite a significant portion of households - 23% in rural and 22% in urban areas.

4. OTHER ASPECTS OF HYGIENE

4.1.1 As stated earlier (in sections 1 and 2), this section will deal with some aspects of hygiene that are not connected with drinking water. Initially, the supply of water from various sources - be they principal or secondary (see sec.2) - for important purposes such as cooking, bathing and washing utensils- all of which have a bearing on the health of the members of the households - is taken up for study.

4.1.2 *Water for cooking* : In rural areas, for the purpose of cooking - *tubewell/ handpump* was the most important principal source, followed by *well* and *tap,* the proportions of households being served by them being 52%, 24% and 18%, respectively (see Table 24). Even as supplementary sources, *tubewell/ handpump* and *well* were the most frequently reported sources - 37% and 36%, respectively. In urban areas, the situation was a little different. *Tap* was most frequently reported (70%), followed by *tubewell/handpump* (21%) among principal sources, while *tubewell/ handpump* was most frequently reported (53%), followed by *well* (23%), among secondary sources.

Table 24: Percentage distribution of households by principal and supplementary source of water for cooking, water for bathing and water for washing utensils during 1998

source	percentage of households using water for					
	cooking		bathing		washing utensils	
	principal source	supple-mentary source	principal source	supple-mentary source	principal source	supple-mentary source
(1)	(2)	(3)	(4)	(5)	(6)	(7)
rural						
tap	17.9	6.6	15.8	5.5	16.5	6.6
tubewell, hand pump	51.5	36.9	44.2	36.5	48.3	36.8
well	23.9	36.0	21.8	32.4	23.6	32.7
tank/pond reserved for drinking	1.2	2.7	1.5	2.1	1.2	2.4
other tank/pond	1.8	5.0	9.8	9.0	6.4	8.5
river/canal/lake	1.3	6.3	4.1	9.2	1.7	7.5
spring	1.8	3.3	2.0	2.8	1.8	2.8
tanker	0.2	1.6	0.1	1.3	0.1	1.3
other	0.4	1.6	0.4	1.2	0.3	1.3
all	100	100	100	100	100	100
urban						
tap	69.8	12.1	63.8	13.3	63.5	13.1
tubewell, hand pump	21.3	53.1	23.7	52.9	24.7	54.3
well	6.8	22.9	8.6	19.6	9.2	20.1
tank/pond reserved for drinking	0.3	0.9	0.3	0.8	0.3	0.7
other tank/pond	0.3	1.3	2.0	4.2	0.9	3.6
river/canal/lake	0.2	3.4	0.8	3.3	0.3	2.1
spring	0.1	0.7	0.1	0.7	0.1	0.7
tanker	0.7	3.5	0.3	3.1	0.2	3.2
other	0.3	2.0	0.4	2.0	0.6	2.1
all	100	100	100	100	100	100

4.1.3 *Water for bathing* : It is seen from Table 24 that in rural areas, for the purpose of bathing also, *tubewell/ handpump* was most frequently reported (44%), followed by *well* (22%), *tap*(16%) and *other tank /pond* (10%), among the principal sources. Among secondary sources, the picture was only slightly different, with *tubewell/ handpump, well* , *river/canal /lake* and *other tank/pond* being reported by 37%, 32%, 9% and 9% of rural households, respectively. In urban areas, the distribution closely resembled that for *water for cooking* as discussed in the previous paragraph. Among principal sources, *tap* and *tubewell/ handpump* were reported by

64% and 24% of the urban households, while among secondary sources, the more frequently reported sources were *tubewell/ handpump* (53%) and *well* (20%).

4.1.4 *Water for washing of utensils* : It is seen from Table 24 that in rural areas, among principal sources, *tubewell/ handpump, well* and *tap* were the three most important sources, as the proportions of households reported being served by them (for washing utensils) were 48%, 24% and 17%, respectively. About 6% of such households reported *other tank/pond* as their principal source . Thus the distribution of households by principal source of water for washing of utensils closely resembled that of households by principal source of water for bathing (see previous paragraph). This feature was also true for the corresponding distributions by supplementary source. As in the case of water for bathing, *tubewell/ handpump, well, other tank/pond* and *river/ canal /lake* were the sources which were reported quite frequently by rural households, the proportions of households reporting them being 37%, 33%, 9% and 8%, respectively. In urban areas too, a similar situation is noticeable. There too, the distributions of urban households by water served by different sources (be they principal or supplementary source) for washing of utensils closely resembled the corresponding distributions observed for bathing (see previous paragraph). Thus, among principal sources, *tap* and *tubewell/handpump* were reported by many (64% and 25%, respectively) of the urban households, while among secondary sources, the more frequently reported ones were *tubewell/handpump* (54%) and *well* (20%).

4.2.1 Another aspect of hygiene on which data were collected during the present survey pertained to concern expressed by household members with regard to foul odour and some forms of vector menace, viz. flies and mosquitoes. This is examined in the following few paragraphs.

Table 25: Percentage of households expressing concern about problems of flies, mosquitoes and foul odour during 1998

sector	percentage of households expressing concern about problems of		
	flies	mosquitoes	foul odour
(1)	(2)	(3)	(4)
rural	68.5	84.0	36.1
urban	65.8	89.6	50.1

4.2.2 *Concern about flies, mosquitoes or foul odour*: Table 25 presents the percentage of households reporting their concern over these problems. It appears from the table that among the three, by and large, people were most concerned over the problems of mosquitoes, an estimated 90% of urban and 84% of rural households having reported such concern. Roughly two-thirds of households (69% in rural and 66% in urban areas) expressed their concern about problems related with flies. A relatively lower proportion of households reported concern regarding foul odour – 36% in rural and about 50% in urban areas.

Table 26: Percentage of households during 1998 reporting growth/ diminution of the problems of flies, mosquitoes and foul odour over the last 5 years

state	percentage of households reporting increase/ decrease in the problems of					
	flies		mosquitoes		foul odour	
	increase	decrease	increase	decrease	increase	decrease
(1)	(2)	(3)	(4)	(5)	(6)	(7)
rural						
Andhra Pradesh	37.9	5.5	57.6	4.9	17.0	6.7
Assam	52.4	1.8	62.5	1.0	24.3	2.5
Bihar	60.6	1.1	78.6	0.8	33.5	1.2
Gujarat	29.3	8.8	38.6	7.3	15.9	10.3
Haryana	80.6	0.8	81.1	0.8	43.5	4.7
Karnataka	29.0	6.0	41.3	4.3	15.9	9.5
Kerala	14.3	10.4	42.3	6.3	3.5	8.8
Madhya Pradesh	43.8	7.3	57.9	3.5	22.1	8.3
Maharashtra	19.1	15.7	32.7	12.4	13.2	19.3
Orissa	60.1	4.0	67.0	2.5	27.1	10.8
Punjab	63.3	1.6	68.1	0.9	29.4	2.3
Rajasthan	45.9	3.8	59.8	3.8	21.1	5.3
Tamil Nadu	24.2	9.7	42.1	8.6	7.3	10.7
Uttar Pradesh	76.6	0.7	88.6	0.5	33.2	2.9
West Bengal	59.1	2.4	80.1	0.7	20.0	3.9
India	**48.3**	**5.2**	**62.9**	**3.8**	**22.4**	**7.0**
urban						
Andhra Pradesh	28.8	10.6	56.2	6.0	26.8	8.8
Assam	43.7	4.2	54.3	4.8	31.5	4.9
Bihar	63.2	1.8	86.1	0.6	52.1	2.5
Gujarat	30.7	11.8	44.4	10.4	29.2	10.5
Haryana	72.2	1.3	76.5	2.1	51.9	1.8
Karnataka	23.8	8.9	44.5	5.2	25.0	9.5
Kerala	12.1	11.6	55.6	6.0	7.6	10.0
Madhya Pradesh	46.2	2.2	76.5	0.4	40.8	2.3
Maharashtra	16.9	26.3	51.8	13.6	16.3	27.9
Orissa	68.3	0.2	74.1	0.8	47.1	2.5
Punjab	71.9	3.6	74.5	4.2	53.4	3.0
Rajasthan	52.3	1.8	78.2	1.3	35.4	2.1
Tamil Nadu	30.3	10.9	47.1	6.0	19.2	11.5
Uttar Pradesh	75.8	1.7	87.9	0.5	44.8	5.6
West Bengal	49.3	1.7	81.5	0.6	22.4	3.2
India	**41.6**	**8.6**	**64.3**	**4.8**	**30.4**	**9.5**

4.2.3 *Perception about change in intensity over the last 5 years*: An attempt was made in the present survey to gather data that could be used to form an idea of the perception of households regarding the change in the problems associated with flies, mosquitoes or foul odour over the past 5 years. The relevant information, as obtained from the survey, is presented in Table 26.

4.2.4 *All-India estimates*: It is clear from Table 26 that at the national level, more households reported an *increase* rather than a *decrease* in all the three problems in rural or urban areas. However, the perception of *increase* was most pronounced for *mosquitoes*, with 63% of rural and 64% of urban households reporting it. About *flies*, about 48% of rural and 42% of urban households reported an *increase*. As regards the problem of *foul odour*, 22% of rural and 30% of urban households reported an *increase*. Interestingly, about 7% of rural and 10% of urban households reported a *decrease* in this problem. The proportion of households reporting a *decrease* in the *mosquito* problem was low – 4% in rural and 5% in urban areas. The proportion of households reporting a *decrease* in the *fly* problem was also low -5% in rural and 9% in urban areas.

4.2.5 *State-level variation, rural* : There were substantial variations in the reported proportions among the major States during 1998. Compared to any other major State, the proportion of households reporting an *increase* in the problem of *flies* and *foul odour* was much higher (81% for *flies*, 44% for *foul odour*) in Haryana. As for the problem of *mosquito* being on the *increase* among the States, Uttar Pradesh reported the highest proportion (89%), with Haryana following suit (81%). As regards the problems of *flies* and *foul odour* also, Uttar Pradesh reported very high proportions, next only to Haryana (and Bihar, for *foul odour*), the values being 77% and 33%, respectively. Only in a handful of States, did a significantly high proportion of households report a *decrease* in any of these three problems. Maharashtra was the only major State where households reported – much more frequently than in any other State – a *decrease* in these problems, the proportions reported there being 16% for *flies*, 12% for *mosquitoes* and 19% for *foul odour*. Among other States, 10% households reported a *decrease* in the problem of *flies* in Kerala, while 10% to 11% households reported a *decrease* in the problem of *foul odour* in the States of Gujarat, Orissa and Tamil Nadu.

4.2.6 *State-level variation, urban* : In the urban areas of Haryana, Punjab, Uttar Pradesh and Bihar, the proportions of households reporting an *increase* in all three problems were much higher than those reported by households of the other States. The highest proportion of households reporting an *increase* in the problems was in Uttar Pradesh (76% for the problem of *flies* and 88% for the problem of *mosquitoes*) and in Punjab (53% for the problem of *foul odour*). Maharashtra was the only State where a much higher proportion of households reported a *decrease* in each of these problems than in other States.

APPENDIX

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwelling	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
Andhra Pradesh											rural
tap	131	179	651	36	1	-	1	-	1000	31234	1421
tubewell, hand pump	25	117	805	44	7	0	1	-	1000	55943	2703
well	-	141	655	125	70	1	8	-	1000	24591	1216
tank/pond resv. for drinking	-	39	862	74	25	-	-	-	1000	3105	151
other tank/pond	-	-	1000	-	-	-	-	-	1000	310	17
river/canal/lake	-	-	771	76	146	7	-	-	1000	2761	129
spring	-	-	363	577	-	60	-	-	1000	527	44
tanker	-	-	993	7	-	-	-	-	1000	390	18
other	-	60	883	57	-	-	-	-	1000	324	18
n.r.	-	606	394	-	-	-	-	-	1000	148	4
all	46	133	733	62	22	1	2	-	1000	119333	5721
Assam											rural
tap	106	81	718	90	5	-	-	-	1000	2554	231
tubewell, hand pump	86	490	410	12	3	-	-	-	1000	17395	1541
well	-	464	501	25	10	-	-	-	1000	9752	970
tank/pond resv. for drinking	-	619	381	-	-	-	-	-	1000	753	74
other tank/pond	-	719	260	21	-	-	-	-	1000	2427	231
river/canal/lake	-	-	719	272	8	-	-	-	1000	1523	136
spring	-	-	258	607	100	-	35	-	1000	379	28
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	42	105	-	55	45	753	-	1000	184	17
n.r.	-	329	490	-	73	-	-	108	1000	147	15
all	50	442	457	39	7	0	4	0	1000	35114	3243
Bihar											rural
tap	426	351	223	-	-	-	-	-	1000	995	57
tubewell, hand pump	239	221	510	26	3	-	1	0	1000	105481	5179
well	-	184	762	43	10	1	-	-	1000	41803	2125
tank/pond resv. for drinking	-	-	1000	-	-	-	-	-	1000	54	2
other tank/pond	-	-	1000	-	-	-	-	-	1000	124	6
river/canal/lake	-	-	185	356	459	-	-	-	1000	386	26
spring	-	-	344	647	-	-	9	-	1000	442	32
tanker	-	-	1000	-	-	-	-	-	1000	18	1
other	285	310	405	-	-	-	-	-	1000	210	11
n.r.	33	411	335	71	-	-	-	150	1000	514	25
all	172	211	577	33	6	0	0	1	1000	150028	7464

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwelling	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
Gujarat											rural
tap	314	339	312	23	11	-	-	-	1000	25368	1359
tubewell, hand pump	47	165	716	41	25	5	-	-	1000	17283	966
well	-	201	639	88	51	12	9	-	1000	8781	450
tank/pond resv. for drinking	-	-	791	147	62	-	-	-	1000	1385	84
other tank/pond	-	-	880	120	-	-	-	-	1000	9	6
river/canal/lake	-	-	583	357	60	-	-	-	1000	406	21
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	504	496	-	-	-	-	-	1000	1204	48
other	-	-	1000	-	-	-	-	-	1000	33	5
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	161	254	512	44	23	4	1	-	1000	54468	2939
Haryana											rural
tap	119	131	696	49	2	3	-	-	1000	7892	380
tubewell, hand pump	151	248	362	130	99	8	1	0	1000	12656	605
well	-	86	334	315	243	21	-	-	1000	4840	237
tank/pond resv. for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	112	181	461	140	96	9	1	0	1000	25388	1222
Karnataka											rural
tap	106	178	692	23	2	-	-	-	1000	18523	787
tubewell, hand pump	23	84	828	59	5	1	-	-	1000	37585	1747
well	-	348	586	54	11	-	-	-	1000	10895	494
tank/pond resv. for drinking	-	83	894	23	-	-	-	-	1000	1316	57
other tank/pond	-	255	453	292	-	-	-	-	1000	118	6
river/canal/lake	-	-	770	172	58	-	-	-	1000	1154	57
spring	-	-	1000	-	-	-	-	-	1000	78	3
tanker	-	-	1000	-	-	-	-	-	1000	24	1
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	41	149	754	50	6	0	-	-	1000	69692	3152

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwelling	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
											rural
Kerala											
tap	140	179	607	37	25	4	8	-	1000	4808	318
tubewell, hand pump	44	619	232	87	18	-	-	-	1000	619	43
well	-	598	357	31	11	3	1	-	1000	38656	2473
tank/pond resv. for drinking	-	503	367	91	-	39	-	-	1000	662	35
other tank/pond	-	601	281	118	-	-	-	-	1000	337	20
river/canal/lake	-	-	500	500	-	-	-	-	1000	31	2
spring	-	-	437	435	127	-	-	-	1000	138	10
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	666	131	203	-	-	-	-	1000	161	10
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	15	550	381	36	13	3	2	-	1000	45411	2911
											rural
Madhya Pradesh											
tap	346	252	386	17	-	-	-	-	1000	5335	298
tubewell, hand pump	19	64	819	90	8	-	-	0	1000	56061	3053
well	-	162	723	90	20	4	1	-	1000	42394	2263
tank/pond resv. for drinking	-	86	914	-	-	-	-	-	1000	21	2
other tank/pond	-	-	-	1000	-	-	-	-	1000	78	3
river/canal/lake	-	-	378	318	146	8	150	-	1000	2069	102
spring	-	-	298	112	590	-	-	-	1000	1364	71
tanker	-	-	461	-	277	-	263	-	1000	68	3
other	534	-	-	466	-	-	-	-	1000	40	2
n.r.	-	544	379	-	-	-	-	77	1000	53	5
all	27	110	743	92	23	2	3	0	1000	107483	5802
											rural
Maharashtra											
tap	138	349	499	9	4	-	0	-	1000	45707	2215
tubewell, hand pump	24	112	762	81	15	3	1	-	1000	27171	1301
well	-	195	657	90	34	18	6	-	1000	33165	1580
tank/pond resv. for drinking	-	356	-	644	-	-	-	-	1000	61	2
other tank/pond	-	-	1000	-	-	-	-	-	1000	17	1
river/canal/lake	-	-	524	385	85	7	-	-	1000	2923	148
spring	-	-	697	303	-	-	-	-	1000	1572	90
tanker	-	-	831	85	-	-	85	-	1000	386	13
other	-	-	-	146	854	-	-	-	1000	164	6
n.r.	-	322	678	-	-	-	-	-	1000	80	3
all	63	229	614	66	19	6	2	-	1000	111247	5359

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwell-ing	outside dwelling but within pre-mises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
Orissa											rural
tap	87	121	747	44	-	-	-	-	1000	1813	78
tubewell, hand pump	13	56	844	78	6	-	2	-	1000	33738	1860
well	-	205	733	54	7	-	1	-	1000	21414	1141
tank/pond resv. for drinking	-	-	1000	-	-	-	-	-	1000	863	44
other tank/pond	-	-	631	264	85	-	20	-	1000	1359	66
river/canal/lake	-	-	654	201	145	-	-	-	1000	1725	93
spring	-	-	876	100	24	-	-	-	1000	1434	60
tanker	-	278	722	-	-	-	-	-	1000	262	16
other	-	-	470	521	9	-	-	-	1000	803	41
n.r.	-	1000	-	-	-	-	-	-	1000	39	2
all	9	104	791	81	12	-	2	-	1000	63451	3401
Punjab											rural
tap	275	205	492	13	13	1	-	-	1000	4140	351
tubewell, hand pump	489	409	99	1	1	1	-	-	1000	23145	2126
well	-	192	721	87	-	-	-	-	1000	648	53
tank/pond resv. for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	495	-	505	-	1000	24	2
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	1000	-	-	-	-	-	-	-	1000	15	1
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	446	373	171	5	3	1	0	-	1000	27971	2533
Rajasthan											rural
tap	320	177	443	53	2	-	-	4	1000	11989	727
tubewell, hand pump	27	79	725	136	23	2	7	-	1000	22590	1243
well	-	62	696	181	28	23	10	-	1000	20552	1123
tank/pond resv. for drinking	-	64	367	186	113	173	97	-	1000	3778	215
other tank/pond	-	427	523	24	13	-	13	-	1000	1444	87
river/canal/lake	-	-	112	590	221	77	-	-	1000	1660	77
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	466	-	-	-	-	534	-	1000	95	4
other	578	-	281	133	8	-	-	-	1000	269	25
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	74	98	616	147	31	21	13	1	1000	62377	3501

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwell-ing	outside dwelling but within pre-mises	outside premises at distance								
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n.r.	all		
1	2	3	4	5	6	7	8	9	10	11	12
Tamil Nadu											rural
tap	74	95	801	23	6	1	-	0	1000	48137	2627
tubewell, hand pump	42	147	725	48	20	15	2	1	1000	29938	1669
well	-	139	751	68	37	4	1	-	1000	13708	748
tank/pond resv. for drinking	-	56	623	208	83	8	23	-	1000	2348	148
other tank/pond	-	-	552	307	113	28	-	-	1000	528	34
river/canal/lake	-	-	702	149	131	18	-	-	1000	813	52
spring	-	-	652	343	5	-	-	-	1000	239	16
tanker	-	-	1000	-	-	-	-	-	1000	610	30
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	50	114	765	45	18	6	1	0	1000	96319	5324
Uttar Pradesh											rural
tap	566	197	237	-	-	-	1	-	1000	20188	876
tubewell, hand pump	310	278	400	10	1	-	1	-	1000	146096	6711
well	-	153	764	26	15	2	40	-	1000	50942	2238
tank/pond resv. for drinking	-	67	652	35	19	-	227	-	1000	1031	60
other tank/pond	-	-	293	-	-	-	707	-	1000	263	15
river/canal/lake	-	-	477	230	-	120	174	-	1000	282	14
spring	-	-	46	269	17	668	-	-	1000	10870	73
tanker	-	-	-	-	-	-	-	-	-	-	-
other	77	177	439	154	77	77	-	-	1000	256	12
n.r.	141	338	328	-	-	-	-	193	1000	80	4
all	247	228	451	26	5	32	11	0	1000	230008	10003
West Bengal											rural
tap	181	97	654	62	5	-	-	-	1000	4580	219
tubewell, hand pump	82	186	637	77	12	2	2	1	1000	83596	4014
well	-	195	747	9	1	-	48	-	1000	20110	965
tank/pond resv. for drinking	-	43	620	-	-	-	336	-	1000	959	46
other tank/pond	-	107	196	-	-	-	697	-	1000	232	13
river/canal/lake	-	-	829	-	-	-	171	-	1000	230	10
spring	-	-	822	178	-	-	-	-	1000	221	12
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	709	291	-	-	-	-	-	1000	70	3
n.r.	-	61	891	-	-	-	48	-	1000	554	30
all	70	181	659	63	9	2	15	1	1000	110552	5312

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwell-ing	outside dwelling but within pre-mises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
North-Eastern											rural
tap	101	289	589	13	4	-	4	-	1000	4424	1751
tubewell, hand pump	126	384	476	3	2	-	9	-	1000	2899	722
well	-	376	592	13	2	1	16	-	1000	3031	959
tank/pond resv. for drinking	-	156	748	70	2	20	4	-	1000	740	319
other tank/pond	-	381	605	14	-	-	-	-	1000	300	109
river/canal/lake	-	-	951	26	22	-	-	-	1000	514	270
spring	-	-	919	49	28	2	2	-	1000	3174	1949
tanker	-	1000	-	-	-	-	-	-	1000	1	1
other	25	306	536	26	107	-	-	-	1000	323	97
n.r.	38	521	8	25	-	-	-	409	1000	224	96
all	53	255	646	22	11	1	6	6	1000	15630	6273
North-Western											rural
tap	146	358	481	9	2	3	2	-	1000	12233	2262
tubewell, hand pump	241	429	322	5	2	0	-	-	1000	2952	439
well	-	88	671	206	27	4	4	-	1000	1866	350
tank/pond resv. for drinking	-	67	933	-	-	-	-	-	1000	109	22
other tank/pond	-	-	1000	-	-	-	-	-	1000	277	31
river/canal/lake	-	-	640	339	21	-	-	-	1000	889	159
spring	-	-	724	144	46	27	59	-	1000	2679	536
tanker	-	-	1000	-	-	-	-	-	1000	103	5
other	-	156	844	-	-	-	-	-	1000	55	12
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	118	275	525	57	10	6	9	-	1000	21164	3816
Southern											rural
tap	265	244	478	9	4	-	-	-	1000	1914	592
tubewell, hand pump	184	191	534	73	18	-	-	-	1000	194	33
well	-	360	601	24	13	2	-	-	1000	778	346
tank/pond resv. for drinking	-	152	848	-	-	-	-	-	1000	5	3
other tank/pond	-	-	1000	-	-	-	-	-	1000	0	1
river/canal/lake	-	-	509	491	-	-	-	-	1000	40	16
spring	-	-	731	192	78	-	-	-	1000	67	15
tanker	-	-	-	-	-	-	1000	-	1000	53	7
other	-	-	-	-	-	-	1000	-	1000	8	1
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	178	256	510	27	9	1	20	-	1000	3059	1014

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwelling	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
Andhra Pradesh											urban
tap	222	250	483	38	6	2	-	0	1000	33143	1826
tubewell, hand pump	147	348	459	31	0	15	-	-	1000	5648	280
well	-	255	549	192	4	-	-	-	1000	2944	124
tank/pond resv. for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	897	103	-	-	-	-	1000	236	7
river/canal/lake	-	-	796	-	204	-	-	-	1000	30	15
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	993	5	2	-	-	-	1000	2114	104
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	186	249	511	46	5	3	-	0	1000	44115	2356
Assam											urban
tap	285	481	233	-	-	-	-	-	1000	1900	208
tubewell, hand pump	220	621	155	-	-	4	-	-	1000	1729	198
well	-	671	329	-	-	-	-	-	1000	875	98
tank/pond resv. for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	205	572	222	-	-	1	-	-	1000	4504	504
Bihar											urban
tap	446	200	342	2	-	10	-	-	1000	8161	523
tubewell, hand pump	373	331	285	11	-	-	-	-	1000	9948	598
well	-	265	622	37	77	-	-	-	1000	4404	137
tank/pond resv. for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	998	2	-	-	-	-	1000	243	4
spring	-	-	1000	-	-	-	-	-	1000	7	1
tanker	-	-	57	943	-	-	-	-	1000	301	17
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	1000	1000	35	3
all	318	264	374	25	15	3	-	2	1000	23100	1283

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwelling	outside dwelling but within premises	outside premises at distance						all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n.r.			
1	2	3	4	5	6	7	8	9	10	11	12
Gujrat											urban
tap	542	268	137	50	3	-	-	-	1000	20223	1582
tubewell, hand pump	144	344	512	-	-	-	-	-	1000	1611	106
well	-	505	495	-	-	-	-	-	1000	108	5
tank/pond resv. for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	1000	-	-	-	-	-	-	1000	253	8
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	504	283	164	46	3	-	-	-	1000	22196	1701
Haryana											urban
tap	629	215	153	1	2	-	-	-	1000	8187	360
tubewell, hand pump	547	220	164	48	21	-	-	-	1000	1970	55
well	-	-	-	-	-	-	-	-	-	-	-
tank/pond resv. for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	69	63	868	-	-	-	-	-	1000	16	15
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	612	216	156	10	5	-	-	-	1000	10172	430
Karnataka											urban
tap	390	272	320	6	11	-	-	-	1000	21234	1300
tubewell, hand pump	94	68	741	33	38	26	-	-	1000	2953	165
well	-	706	283	-	11	-	-	-	1000	1732	84
tank/pond resv. for drinking	-	168	542	-	-	-	290	-	1000	248	12
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	1000	-	-	-	-	-	1000	74	4
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	1000	-	1000	23	1
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	326	276	369	8	14	3	4	-	1000	26262	1566

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwelling	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
											urban
Kerala											
tap	608	206	164	14	7	-	-	-	1000	5808	589
tubewell, hand pump	164	344	384	107	-	-	-	-	1000	507	27
well	-	658	336	3	4	-	-	-	1000	7995	672
tank/pond resv. for drinking	-	-	1000	-	-	-	-	-	1000	89	4
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	1000	-	-	-	-	-	1000	28	3
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	1000	-	1000	5	1
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	251	459	273	11	5	-	0	-	1000	14431	1296
											urban
Madhya Pradesh											
tap	388	248	352	9	1	1	-	1	1000	24957	1469
tubewell, hand pump	245	253	476	25	0	1	-	-	1000	4300	309
well	-	310	631	54	5	-	-	-	1000	2981	220
tank/pond resv. for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	1000	-	-	-	-	-	1000	116	4
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	961	-	4	-	-	-	-	35	1000	462	8
all	341	250	391	15	1	1	-	2	1000	32817	2010
											urban
Maharashtra											
tap	516	301	175	6	1	-	-	0	1000	63000	3528
tubewell, hand pump	177	280	463	19	48	13	-	-	1000	3608	192
well	-	279	681	40	-	-	-	-	1000	1723	76
tank/pond resv. for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	1000	-	-	-	-	-	1000	9	1
tanker	-	-	1000	-	-	-	-	-	1000	39	4
other	-	-	27	649	324	-	-	-	1000	126	5
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	484	298	203	9	4	1	-	0	1000	68505	3806

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwelling	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
Orissa											urban
tap	578	107	314	1	-	-	-	-	1000	3919	312
tubewell, hand pump	72	102	742	70	14	-	0	-	1000	3264	186
well	-	520	398	31	51	-	-	-	1000	2643	117
tank/pond resv. for drinking	-	-	1000	-	-	-	-	-	1000	1	1
other tank/pond	-	-	84	312	604	-	-	-	1000	124	4
river/canal/lake	-	-	105	895	-	-	-	-	1000	118	13
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	791	209	-	-	-	-	1000	51	13
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	247	210	471	46	25	-	0	-	1000	10120	646
Punjab											urban
tap	724	221	44	-	2	7	3	-	1000	10614	872
tubewell, hand pump	387	544	50	-	4	-	13	2	1000	5852	421
well	-	1000	-	-	-	-	-	-	1000	13	1
tank/pond resv. for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	1000	-	-	-	-	-	1000	1	1
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	604	336	46	-	2	5	6	1	1000	16480	1295
Rajasthan											urban
tap	565	355	76	4	0	-	-	-	1000	16184	960
tubewell, hand pump	130	135	734	0	0	-	-	-	1000	1964	131
well	-	193	807	-	-	-	-	-	1000	82	13
tank/pond resv. for drinking	-	-	-	220	780	-	-	-	1000	211	14
other tank/pond	-	-	1000	-	-	-	-	-	1000	0	1
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	193	-	-	807	-	-	1000	329	5
other	-	-	638	-	-	362	-	-	1000	186	5
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	496	318	154	6	9	18	-	-	1000	18957	1129

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwell-ing	outside dwelling but within pre-mises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
Taml Nadu											urban
tap	204	278	492	14	4	6	1	1	1000	40119	2282
tubewell, hand pump	186	452	322	12	19	8	-	1	1000	10155	504
well	-	301	619	19	22	39	-	-	1000	1866	189
tank/pond resv. for drinking	-	-	427	434	138	-	-	-	1000	232	3
other tank/pond	-	239	-	-	-	761	-	-	1000	31	2
river/canal/lake	-	-	193	-	807	-	-	-	1000	123	2
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	57	839	67	-	-	37	-	1000	1477	140
other	255	70	675	-	-	-	-	-	1000	191	15
n.r.	-	-	1000	-	-	-	-	-	1000	0	1
all	186	303	473	17	10	8	2	1	1000	54195	3138
Uttar Pradesh											urban
tap	672	211	114	3	-	-	-	-	1000	25199	1260
tubewell, hand pump	493	224	249	12	22	-	-	-	1000	31071	1401
well	-	230	749	1	20	-	-	-	1000	2092	131
tank/pond resv. for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	553	218	209	8	13	-	-	-	1000	58362	2792
West Bengal											urban
tap	308	266	411	13	0	2	-	1	1000	21867	1286
tubewell, hand pump	85	229	663	20	-	-	4	-	1000	14906	788
well	-	730	245	25	-	-	-	-	1000	1827	119
tank/pond resv. for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	257	743	-	-	-	1000	271	23
spring	-	-	1000	-	-	-	-	-	1000	13	1
tanker	-	-	-	-	-	-	-	-	-	-	-
other	880	-	120	-	-	-	-	-	1000	67	2
n.r.	884	-	116	-	-	-	-	-	1000	74	3
all	208	270	496	18	5	1	1	0	1000	39025	2222

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwelling	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
North - Eastern											urban
tap	310	416	269	1	-	-	-	4	1000	1868	1116
tubewell, hand pump	212	538	246	-	-	-	4	-	1000	526	236
well	-	187	781	-	-	-	32	-	1000	392	185
tank/pond resv. for drinking	-	275	670	55	-	-	-	-	1000	189	125
other tank/pond	-	439	431	104	25	-	-	-	1000	52	62
river/canal/lake	-	-	988	-	-	-	12	-	1000	57	64
spring	-	-	987	11	2	-	-	-	1000	314	302
tanker	-	12	919	69	-	-	-	-	1000	80	22
other	32	255	502	-	-	-	-	211	1000	37	21
n.r.	-	-	394	-	-	-	41	565	1000	63	32
all	193	341	439	7	1	-	5	14	1000	3578	2165
North - Western											urban
tap	734	96	167	3	1	-	-	-	1000	24990	1962
tubewell, hand pump	430	465	105	-	-	-	-	-	1000	1431	144
well	-	1000	-	-	-	-	-	-	1000	36	4
tank/pond resv. for drinking	-	-	1000	-	-	-	-	-	1000	15	3
other tank/pond	-	-	1000	-	-	-	-	-	1000	9	1
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	370	342	265	24	-	-	1000	39	10
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	715	117	164	3	1	0	-	-	1000	26520	2124
Southern											urban
tap	589	190	183	1	33	4	-	-	1000	2067	672
tubewell, hand pump	388	494	50	2	66	-	-	-	1000	141	58
well	-	522	437	34	7	-	-	-	1000	222	106
tank/pond resv. for drinking	-	1000	-	-	-	-	-	-	1000	7	3
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	290	584	33	94	-	-	-	1000	25	20
other	-	-	1000	-	-	-	-	-	1000	3	1
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	516	240	203	4	33	4	-	-	1000	2465	860

Table 1: Per 1000 distribution of households having specific principal sources of drinking water by distance from source

principal source of drinking water	per 1000 no. of households with principal source									estd. no. of hhs (00)	no. of sample hhs
	within dwelling	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
											rural
India											
tap	191	220	559	23	4	1	1	0	1000	251833	16549
tubewell, hand pump	149	193	598	48	9	1	1	0	1000	675343	35955
well	-	227	664	68	24	5	11	-	1000	347926	19731
tank/pond resv. for drinking	-	96	651	107	47	41	57	-	1000	17190	1264
other tank/pond	-	349	476	97	25	2	50	-	1000	7823	646
river/canal/lake	-	-	576	273	115	13	24	-	1000	17430	1314
spring	-	-	392	226	56	318	8	-	1000	23184	2939
tanker	-	226	710	11	6	-	48	-	1000	3215	147
other	96	138	429	205	73	10	50	-	1000	2914	261
n.r.	20	337	489	23	6	-	14	111	1000	1839	184
all	110	201	604	56	15	8	5	0	1000	1348695	78990
											urban
India											
tap	458	253	271	13	3	2	0	0	1000	333441	22107
tubewell, hand pump	298	291	377	17	13	3	1	0	1000	101583	5799
well	-	452	489	36	20	2	0	-	1000	31933	2281
tank/pond resv. for drinking	-	101	469	159	198	-	72	-	1000	992	165
other tank/pond	-	67	561	151	168	52	-	-	1000	452	77
river/canal/lake	-	-	545	166	288	-	1	-	1000	1062	133
spring	-	-	925	44	29	2	-	-	1000	382	315
tanker	-	75	768	86	2	58	12	-	1000	4619	320
other	156	34	476	131	58	96	39	11	1000	706	79
n.r.	804	-	56	-	-	-	4	137	1000	634	47
all	386	271	315	17	7	3	1	0	1000	475803	31323

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source: within dwell-ing	outside dwelling but within premises	outside premises at distance: < 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n.r.	all	estd. no. of persons (00)	no. of sample persons
1	2	3	4	5	6	7	8	9	10	11	12
Andhra Pradesh											rural
tap	133	178	650	37	1	-	1	-	1000	134085	6100
tubewell, hand pump	25	119	806	43	6	0	0	-	1000	243041	11860
well	-	147	653	129	65	1	4	-	1000	102836	5208
tank/pond reserved for drinking	-	39	879	68	14	-	-	-	1000	12125	594
other tank/pond	-	-	1000	-	-	-	-	-	1000	1255	73
river/canal/lake	-	-	793	97	102	8	-	-	1000	11419	550
spring	-	-	384	539	-	76	-	-	1000	2670	214
tanker	-	-	994	6	-	-	-	-	1000	1421	65
other	-	116	844	40	-	-	-	-	1000	1391	75
n.r.	-	630	370	-	-	-	-	-	1000	997	26
all	47	135	734	63	19	1	1	-	1000	511241	24765
Assam											rural
tap	109	76	712	94	10	-	-	-	1000	12954	1186
tubewell, hand pump	95	523	368	11	3	-	-	-	1000	91222	8117
well	-	498	475	19	8	-	-	-	1000	52750	5141
tank/pond reserved for drinking	-	693	307	-	-	-	-	-	1000	4112	400
other tank/pond	-	733	245	23	-	-	-	-	1000	13085	1236
river/canal/lake	-	-	683	315	2	-	-	-	1000	7304	643
spring	-	-	265	600	113	-	22	-	1000	1797	133
tanker	-	-	-	-	-	-	-	-		-	-
other	-	27	56	-	44	36	838	-	1000	1157	101
n.r.	-	421	442	-	45	-	-	93	1000	725	77
all	54	474	422	37	6	0	5	0	1000	185105	17034
Bihar											rural
tap	409	437	153	-	-	-	-	-	1000	5839	330
tubewell, hand pump	283	234	459	20	2	-	1	0	1000	575558	28886
well	-	209	737	43	10	0	-	-	1000	224922	11561
tank/pond reserved for drinking	-	-	1000	-	-	-	-	-	1000	327	12
other tank/pond	-	-	1000	-	-	-	-	-	1000	868	42
river/canal/lake	-	-	160	311	529	-	-	-	1000	1918	132
spring	-	-	438	555	-	-	7	-	1000	2082	147
tanker	-	-	1000	-	-	-	-	-	1000	109	6
other	414	126	459	-	-	-	-	-	1000	1122	70
n.r.	40	470	264	74	-	-	-	152	1000	2951	143
all	203	228	533	28	5	0	1	1	1000	815696	41329

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source									estd. no. of persons (00)	no. of sample persons
	within dwell - ing	outside dwelling but within premises	outside premises at distance						all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n.r.			
1	2	3	4	5	6	7	8	9	10	11	12
Gujarat											rural
tap	313	347	305	23	12	-	-	-	1000	124493	6803
tubewell, hand pump	48	166	710	45	25	6	-	-	1000	87609	4872
well	-	175	646	97	57	15	10	-	1000	42060	2248
tank/pond reserved for drinking	-	-	786	150	63	-	-	-	1000	7652	455
other tank/pond	-	-	826	174	-	-	-	-	1000	51	41
river/canal/lake	-	-	591	307	102	-	-	-	1000	2146	107
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	439	561	-	-	-	-	-	1000	5799	239
other	-	-	1000	-	-	-	-	-	1000	163	23
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	160	251	511	47	25	4	2	-	1000	269972	14788
Haryana											rural
tap	117	117	703	54	3	6	-	-	1000	41993	2037
tubewell, hand pump	162	260	334	136	96	10	1	0	1000	72283	3475
well	-	82	352	326	226	14	-	-	1000	27922	1354
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	117	183	447	149	94	9	1	0	1000	142198	6866
Karnataka											rural
tap	124	174	680	20	3	-	-	-	1000	91062	3873
tubewell. hand pump	21	76	841	56	5	1	-	-	1000	188965	8768
well	-	354	585	52	9	-	-	-	1000	54436	2470
tank/pond reserved for drinking	-	113	858	30	-	-	-	-	1000	7050	300
other tank/pond	-	135	532	333	-	-	-	-	1000	669	36
river/canal/lake	-	-	753	178	69	-	-	-	1000	5519	269
spring	-	-	1000	-	-	-	-	-	1000	676	26
tanker	-	-	1000	-	-	-	-	-	1000	146	6
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	44	145	757	48	6	0	-	-	1000	348523	15748

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source									estd. no. of persons (00)	no. of sample persons
	within dwell - ing	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
Kerala											rural
tap	130	184	606	40	33	5	3	-	1000	21705	1448
tubewell, hand pump	45	631	241	62	21	-	-	-	1000	2762	195
well	-	598	362	28	10	2	0	-	1000	182761	11875
tank/pond reserved for drinking	-	541	321	94	-	44	-	-	1000	2936	152
other tank/pond	-	475	411	115	-	-	-	-	1000	1042	59
river/canal/lake	-	-	455	545	-	-	-	-	1000	170	11
spring	-	-	402	468	129	-	-	-	1000	567	45
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	656	183	161	-	-	-	-	1000	806	49
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	14	553	385	33	13	3	1	-	1000	212750	13834
Madhya Pradesh											rural
tap	379	245	362	14	-	-	-	-	1000	30309	1713
tubewell, hand pump	23	64	813	92	8	-	-	0	1000	285768	15597
well	-	165	722	89	21	3	0	-	1000	222623	11944
tank/pond reserved for drinking	-	72	928	-	-	-	-	-	1000	126	11
other tank/pond	-	-	-	1000	-	-	-	-	1000	363	14
river/canal/lake	-	-	372	295	122	4	207	-	1000	11779	578
spring	-	-	294	92	614	-	-	-	1000	6094	316
tanker	-	-	590	-	354	-	56	-	1000	321	13
other	697	-	-	303	-	-	-	-	1000	310	15
n.r.	-	683	301	-	-	-	-	15	1000	265	24
all	33	112	736	91	22	1	4	0	1000	557958	30225
Maharastra											rural
tap	151	359	479	8	3	-	0	-	1000	213058	10594
tubewell, hand pump	27	118	757	78	13	5	2	-	1000	128483	6195
well	-	197	641	93	44	17	8	-	1000	157129	7531
tank/pond reserved for drinking	-	436	-	564	-	-	-	-	1000	347	12
other tank/pond	-	-	1000	-	-	-	-	-	1000	86	5
river/canal/lake	-	-	503	395	95	6	-	-	1000	13469	676
spring	-	-	716	284	-	-	-	-	1000	7899	450
tanker	-	-	838	65	-	-	97	-	1000	2026	69
other	-	-	-	199	801	-	-	-	1000	839	31
n.r.	-	292	708	-	-	-	-	-	1000	266	10
all	68	235	601	66	21	6	3	-	1000	523603	25573

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source									estd. no. of persons (00)	no. of sample persons
	within dwell-ing	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
Orissa											rural
tap	92	80	761	67	-	-	-	-	1000	7989	347
tubewell, hand pump	17	73	833	70	6	-	2	-	1000	158742	8877
well	-	219	717	54	8	-	1	-	1000	104353	5596
tank/pond reserved for drinking	-	-	1000	-	-	-	-	-	1000	4603	227
other tank/pond	-	-	654	285	44	-	18	-	1000	5893	293
river/canal/lake	-	-	666	196	138	-	-	-	1000	8076	445
spring	-	-	888	101	11	-	-	-	1000	6304	259
tanker	-	349	651	-	-	-	-	-	1000	1253	76
other	-	-	487	502	11	-	-	-	1000	4142	222
n.r.	-	1000	-	-	-	-	-	-	1000	145	8
all	11	118	781	78	11	-	2	-	1000	301499	16350
Punjab											rural
tap	282	221	475	11	10	2	-	-	1000	21564	1810
tubewell, hand pump	499	411	87	1	1	0	-	-	1000	123887	11365
well	-	199	697	104	-	-	-	-	1000	3245	269
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	257	-	743	-	1000	274	23
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	1000	-	-	-	-	-	-	-	1000	58	4
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	456	378	156	5	3	0	1	-	1000	149028	13471
Rajasthan											rural
tap	328	171	431	66	1	-	-	3	1000	63863	3869
tubewell, hand pump	33	74	726	135	21	3	8	-	1000	127088	6991
well	-	67	693	183	28	20	8	-	1000	119020	6497
tank/pond reserved for drinking	-	71	412	167	109	146	96	-	1000	20986	1187
other tank/pond	-	448	501	26	16	-	10	-	1000	7997	481
river/canal/lake	-	-	133	539	251	77	-	-	1000	9076	423
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	309	-	-	-	-	691	-	1000	427	17
other	607	-	274	110	8	-	-	-	1000	1303	135
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	74	96	619	149	31	19	13	0	1000	349760	19600

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source									estd. no. of persons (00)	no. of sample persons
	within dwell - ing	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
Tamil Nadu											rural
tap	82	100	787	23	6	1	-	1	1000	192452	10640
tubewell, hand pump	48	152	718	49	19	12	1	0	1000	121312	6863
well	-	140	751	70	36	3	1	-	1000	55002	3034
tank/pond reserved for drinking	-	67	628	198	74	9	24	-	1000	9636	609
other tank/pond	-	-	507	310	126	57	-	-	1000	2358	156
river/canal/lake	-	-	654	154	164	28	-	-	1000	3147	213
spring	-	-	610	381	9	-	-	-	1000	1032	75
tanker	-	-	1000	-	-	-	-	-	1000	2215	114
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	56	119	754	46	18	6	1	0	1000	387155	21704
Uttar Pradesh											rural
tap	602	185	212	-	-	-	1	-	1000	107917	4996
tubewell, hand pump	338	285	366	10	1	-	1	-	1000	853140	39543
well	-	164	750	29	16	3	38	-	1000	273884	12150
tank/pond reserved for drinking	-	52	667	51	26	-	204	-	1000	5316	301
other tank/pond	-	-	248	-	-	-	752	-	1000	1566	85
river/canal/lake	-	-	422	298	-	107	173	-	1000	1267	68
spring	-	-	51	275	17	658	-	-	1000	51082	362
tanker	-	-	-	-	-	-	-	-	-	-	-
other	86	142	389	124	148	111	-	-	1000	1589	75
n.r.	120	460	223	-	-	-	-	197	1000	468	23
all	273	238	423	24	5	27	10	0	1000	1296229	57603
West Bengal											rural
tap	207	72	653	65	3	-	-	-	1000	20872	1006
tubewell, hand pump	89	191	624	76	14	2	3	1	1000	419237	20207
well	-	205	733	9	0	-	52	-	1000	97075	4668
tank/pond reserved for drinking	-	67	628	-	-	-	304	-	1000	4951	236
other tank/pond	-	90	121	-	-	-	789	-	1000	1099	63
river/canal/lake	-	-	810	-	-	-	190	-	1000	1132	48
spring	-	-	831	169	-	-	-	-	1000	1048	57
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	810	190	-	-	-	-	-	1000	428	18
n.r.	-	104	863	-	-	-	33	-	1000	2406	137
all	76	187	645	63	11	2	16	1	1000	548247	26440

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source									estd. no. of persons (00)	no. of sample persons
	within dwell - ing	outside dwelling but within premises	outside premises at distance						all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n.r.			
1	2	3	4	5	6	7	8	9	10	11	12
											rural
North - Eastern											
tap	88	280	614	11	4	-	3	-	1000	21376	8607
tubewell, hand pump	143	387	458	2	1	-	9	-	1000	14004	3511
well	-	349	613	16	3	2	17	-	1000	14486	4598
tank/pond reserved for drinking	-	155	753	65	3	21	5	-	1000	3878	1638
other tank/pond	-	389	597	14	-	-	-	-	1000	1572	592
river/canal/lake	-	-	941	34	25	-	-	-	1000	2637	1354
spring	-	-	912	50	33	2	2	-	1000	15888	9647
tanker	-	1000	-	-	-	-	-	-	1000	3	3
other	20	286	526	31	137	-	-	-	1000	1604	483
n.r.	35	607	4	14	-	-	-	341	1000	1348	565
all	52	247	652	22	13	2	6	6	1000	76796	30998
											rural
North - western											
tap	150	362	472	11	1	3	2	-	1000	60846	11424
tubewell, hand pump	262	456	273	5	4	0	-	-	1000	13592	2308
well	-	116	650	190	30	7	6	-	1000	9149	1773
tank/pond reserved for drinking	-	11	989	-	-	-	-	-	1000	663	133
other tank/pond	-	-	1000	-	-	-	-	-	1000	1887	196
river/canal/lake	-	-	601	374	24	-	-	-	1000	5036	910
spring	-	-	716	143	43	30	68	-	1000	14191	2923
tanker	-	-	1000	-	-	-	-	-	1000	517	25
other	-	60	940	-	-	-	-	-	1000	288	63
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	120	276	517	60	10	6	11	-	1000	106169	19755
											rural
Southern											
tap	278	239	466	10	6	-	-	-	1000	8646	2598
tubewell, hand pump	134	185	567	90	25	-	-	-	1000	870	156
well	-	371	585	34	7	3	-	-	1000	3621	1886
tank/pond reserved for drinking	-	35	965	-	-	-	-	-	1000	20	11
other tank/pond	-	-	1000	-	-	-	-	-	1000	2	8
river/canal/lake	-	-	470	530	-	-	-	-	1000	231	55
spring	-	-	710	186	103	-	-	-	1000	353	77
tanker	-	-	-	-	-	-	1000	-	1000	166	22
other	-	-	-	-	-	-	1000	-	1000	23	3
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	181	256	504	34	10	1	14	-	1000	13933	4816

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source									estd. no. of persons (00)	no. of sample persons
	within dwell - ing	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
Andhra Pradesh											urban
tap	232	245	476	37	7	2	-	1	1000	150830	8279
tubewell, hand pump	106	333	510	35	1	15	-	-	1000	23813	1158
well	-	218	583	196	3	-	-	-	1000	13528	547
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	864	136	-	-	-	-	1000	1070	33
river/canal/lake	-	-	794	-	206	-	-	-	1000	142	75
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	995	2	3	-	-	-	1000	10111	487
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	188	239	516	46	6	3	-	1	1000	199494	10579
Assam											urban
tap	301	496	203	-	-	-	-	-	1000	7678	823
tubewell, hand pump	285	586	126	-	-	3	-	-	1000	7847	870
well	-	704	296	-	-	-	-	-	1000	3723	414
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	236	573	190	-	-	1	-	-	1000	19248	2107
Bihar											urban
tap	486	179	323	1	-	11	-	-	1000	45154	2803
tubewell, hand pump	406	292	295	7	-	-	-	-	1000	55100	3222
well	-	243	646	53	59	-	-	-	1000	24339	790
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	997	3	-	-	-	-	1000	972	18
spring	-	-	1000	-	-	-	-	-	1000	52	7
tanker	-	-	60	940	-	-	-	-	1000	1430	81
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	1000	1000	169	12
all	348	236	375	24	11	4	-	1	1000	127217	6933

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source								all	estd. no. of persons (00)	no. of sample persons
	within dwell-ing	outside dwelling but within premises	outside premises at distance					n.r.			
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
											urban
Gujarat											
tap	562	260	131	43	3	-	-	-	1000	97315	7552
tubewell, hand pump	236	305	459	-	-	-	-	-	1000	8503	495
well	-	551	449	-	-	-	-	-	1000	365	16
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	1000	-	-	-	-	-	-	1000	253	8
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	533	266	158	39	3	-	-	-	1000	106436	8071
											urban
Haryana											
tap	650	204	143	0	3	-	-	-	1000	39156	1703
tubewell, hand pump	528	205	177	66	25	-	-	-	1000	8249	245
well	-	-	-	-	-	-	-	-	-	-	-
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	75	58	867	-	-	-	-	-	1000	88	82
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	628	204	150	12	7	-	-	-	1000	47494	2030
											urban
Karnataka											
tap	378	265	338	5	15	-	-	-	1000	93692	5854
tubewell, hand pump	110	63	713	35	30	49	-	-	1000	13636	759
well	-	733	255	-	12	-	-	-	1000	9334	412
tank/pond reserved for drinking	-	126	636	-	-	-	238	-	1000	991	44
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	1000	-	-	-	-	-	1000	90	8
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	1000	-	1000	23	1
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	313	277	378	8	16	6	2	-	1000	117766	7078

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source									estd. no. of persons (00)	no. of sample persons
	within dwell-ing	outside dwelling but within premises	outside premises at distance						all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n.r.			
1	2	3	4	5	6	7	8	9	10	11	12
Kerala											urban
tap	571	204	205	14	7	-	-	-	1000	23947	2699
tubewell, hand pump	178	330	389	104	-	-	-	-	1000	2314	125
well	-	647	346	3	5	-	-	-	1000	35033	3231
tank/pond reserved for drinking	-	-	1000	-	-	-	-	-	1000	89	4
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	1000	-	-	-	-	-	1000	139	15
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	1000	-	1000	5	1
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	229	460	295	11	6	-	0	-	1000	61527	6075
Madhya Pradesh											urban
tap	396	235	360	7	1	1	-	1	1000	129282	7458
tubewell, hand pump	266	260	452	21	0	1	-	-	1000	22969	1582
well	-	326	622	48	3	-	-	-	1000	14186	1086
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	1000	-	-	-	-	-	1000	511	19
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	980	-	7	-	-	-	-	13	1000	2543	44
all	353	242	391	12	1	1	-	1	1000	169491	10189
Maharastra											urban
tap	521	289	183	5	1	-	-	1	1000	278105	16268
tubewell, hand pump	187	260	453	24	61	16	-	-	1000	17805	958
well	-	325	635	40	-	-	-	-	1000	7296	329
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	1000	-	-	-	-	-	1000	60	7
tanker	-	-	1000	-	-	-	-	-	1000	206	21
other	-	-	17	843	140	-	-	-	1000	581	23
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	487	288	210	9	4	1	-	0	1000	304054	17606

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source									estd. no. of persons (00)	no. of sample persons
	within dwell-ing	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
Orissa											urban
tap	593	88	318	1	-	-	-	-	1000	17109	1326
tubewell, hand pump	73	36	795	90	6	-	0	-	1000	15061	892
well	-	533	395	29	42	-	-	-	1000	9559	472
tank/pond reserved for drinking	-	-	1000	-	-	-	-	-	1000	6	8
other tank/pond	-	-	102	529	369	-	-	-	1000	511	17
river/canal/lake	-	-	88	912	-	-	-	-	1000	552	58
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	806	194	-	-	-	-	1000	203	53
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	261	166	499	58	16	-	0	-	1000	43000	2826
Punjab											urban
tap	751	189	47	-	1	8	2	-	1000	47687	4068
tubewell, hand pump	451	484	38	-	3	-	23	2	1000	24127	1856
well	-	1000	-	-	-	-	-	-	1000	63	5
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	1000	-	-	-	-	-	1000	11	8
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	649	289	44	-	2	6	9	1	1000	71888	5937
Rajasthan											urban
tap	591	334	73	1	0	-	-	-	1000	82033	4872
tubewell, hand pump	117	117	766	0	0	-	-	-	1000	11598	674
well	-	202	798	-	-	-	-	-	1000	392	63
tank/pond reserved for drinking	-	-	-	94	906	-	-	-	1000	967	65
other tank/pond	-	-	1000	-	-	-	-	-	1000	1	3
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	154	-	-	846	-	-	1000	1647	25
other	-	-	565	-	-	435	-	-	1000	930	22
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	511	296	163	2	9	18	-	-	1000	97569	5724

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source									estd. no. of persons (00)	no. of sample persons
	within dwell - ing	outside dwelling but within premises	outside premises at distance					n.r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
Tamil Nadu											urban
tap	224	267	486	15	2	5	1	0	1000	157706	9188
tubewell, hand pump	193	452	312	15	19	9	-	0	1000	41089	1996
well	-	282	622	22	16	58	-	-	1000	7921	759
tank/pond reserved for drinking	-	-	239	607	154	-	-	-	1000	829	11
other tank/pond	-	239	-	-	-	761	-	-	1000	156	10
river/canal/lake	-	-	193	-	807	-	-	-	1000	491	8
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	48	826	85	-	-	41	-	1000	5831	537
other	146	175	679	-	-	-	-	-	1000	334	30
n.r.	-	-	1000	-	-	-	-	-	1000	1	3
all	202	295	465	20	8	8	2	0	1000	214357	12542
Uttar Pradesh											urban
tap	749	143	107	2	-	-	-	-	1000	123694	6761
tubewell, hand pump	518	190	259	9	24	-	-	-	1000	169731	7714
well	-	243	734	1	23	-	-	-	1000	11247	712
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	592	173	215	6	14	-	-	-	1000	304672	15187
West Bengal											urban
tap	319	247	418	13	0	2	-	0	1000	92170	5409
tubewell, hand pump	89	251	640	17	-	-	2	-	1000	65493	3483
well	-	814	181	5	-	-	-	-	1000	9321	633
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	306	694	-	-	-	1000	1260	106
spring	-	-	1000	-	-	-	-	-	1000	80	6
tanker	-	-	-	-	-	-	-	-	-	-	-
other	962	-	38	-	-	-	-	-	1000	428	9
n.r.	944	-	56	-	-	-	-	-	1000	309	11
all	212	277	487	16	5	1	1	0	1000	169062	9657

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source									estd. no. of persons (00)	no. of sample persons
	within dwelling	outside dwelling but within premises	outside premises at distance						all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n.r.			
1	2	3	4	5	6	7	8	9	10	11	12
											urban
North - Eastern											
tap	303	411	279	1	-	-	-	6	1000	8463	5190
tubewell, hand pump	217	501	276	-	-	-	6	-	1000	2325	1027
well	-	171	815	-	-	-	14	-	1000	1973	926
tank/pond reserved for drinking	-	258	695	46	-	-	-	-	1000	865	593
other tank/pond	-	481	424	80	16	-	-	-	1000	293	333
river/canal/lake	-	-	982	-	-	-	18	-	1000	315	337
spring	-	-	985	12	3	-	-	-	1000	1465	1406
tanker	-	17	898	85	-	-	-	-	1000	389	99
other	57	329	382	-	-	-	-	232	1000	125	80
n.r.	-	-	348	-	-	-	56	595	1000	327	184
all	186	326	459	8	1	-	4	17	1000	16540	10175
											urban
North - Western											
tap	753	76	168	3	0	-	-	-	1000	106867	8463
tubewell, hand pump	403	520	77	-	-	-	-	-	1000	6115	688
well	-	1000	-	-	-	-	-	-	1000	69	16
tank/pond reserved for drinking	-	-	1000	-	-	-	-	-	1000	44	9
other tank/pond	-	-	1000	-	-	-	-	-	1000	61	7
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	327	330	328	15	-	-	1000	189	51
tanker	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	732	100	164	3	1	0	-	-	1000	113345	9234
											urban
Southern											
tap	574	194	177	1	51	3	-	-	1000	8563	2744
tubewell, hand pump	438	409	56	8	89	-	-	-	1000	417	218
well	-	432	543	18	6	-	-	-	1000	1182	581
tank/pond reserved for drinking	-	1000	-	-	-	-	-	-	1000	19	8
other tank/pond	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-
tanker	-	272	605	32	91	-	-	-	1000	103	80
other	-	-	1000	-	-	-	-	-	1000	10	3
n.r.	-	-	-	-	-	-	-	-	-	-	-
all	495	232	219	3	48	3	-	-	1000	10293	3634

Table 2: Per 1000 distribution of persons having specific principal sources of drinking water by distance of dwelling from source

principal source of drinking water	per 1000 no. of persons with principal source										
	within dwell - ing	outside dwelling but within premises	outside premises at distance					n.r.	all	estd. no. of persons (00)	no. of sample persons
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
India											**rural**
tap	211	225	534	24	4	1	0	0	1000	1181023	79381
tubewell, hand pump	175	205	563	45	9	1	1	0	1000	3507564	187786
well	-	232	658	70	25	5	11	-	1000	1747274	99803
tank/pond reserved for drinking	-	109	648	101	45	40	57	-	1000	84728	6278
other tank/pond	-	363	468	92	17	3	56	-	1000	39793	3380
river/canal/lake	-	-	552	283	114	14	36	-	1000	84599	6505
spring	-	-	406	223	55	307	9	-	1000	111684	14731
tanker	-	216	719	10	8	-	47	-	1000	14404	655
other	112	125	411	192	81	14	65	-	1000	15222	1367
n.r.	23	419	410	25	3	-	8	112	1000	9570	1013
all	127	210	580	55	15	8	5	0	1000	6795862	400899
India											**urban**
tap	480	236	268	11	3	2	0	0	1000	1509454	101460
tubewell, hand pump	328	263	374	16	14	3	1	0	1000	496193	27962
well	-	447	495	37	18	3	0	-	1000	149531	10992
tank/pond reserved for drinking	-	96	412	166	264	-	62	-	1000	3810	742
other tank/pond	-	85	556	210	92	57	-	-	1000	2091	403
river/canal/lake	-	-	510	199	290	-	1	-	1000	4483	652
spring	-	-	919	43	36	2	-	-	1000	1846	1477
tanker	-	28	793	95	2	70	12	-	1000	19970	1338
other	174	38	395	194	30	148	10	11	1000	2728	304
n.r.	832	-	45	-	-	-	6	118	1000	3349	254
all	406	253	313	16	7	3	1	0	1000	2193454	145584

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

source of drinking water	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								
	within dwelling	outside dwelling but within premises	outside premises at distance						all
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n. r.	
1	2	3	4	5	6	7	8	9	10
Andhra Pradesh									rural
tap	746	353	232	153	13	-	109	-	262
tubewell, hand pump	254	414	515	329	149	209	251	-	469
well	-	219	184	414	654	269	639	-	206
tank/pond reserved for drinking	-	8	31	31	30	-	-	-	26
other tank/pond	-	-	4	-	-	-	-	-	3
river/canal/lake	-	-	24	28	153	197	-	-	23
spring	-	-	2	41	-	325	-	-	4
tanker	-	-	4	0	-	-	-	-	3
other	-	1	3	2	-	-	-	-	3
n.r.	-	6	1	-	-	-	-	-	1
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of hhs(00)	5506	15859	87523	7420	2637	96	291	-	119333
no. of sample hhs	267	780	4200	355	104	7	8	-	5721
Assam									rural
tap	154	13	114	166	60	-	-	-	73
tubewell, hand pump	846	549	444	151	219	-	-	-	495
well	-	292	304	180	410	-	-	-	278
tank/pond reserved for drinking	-	30	18	-	-	-	-	-	21
other tank/pond	-	112	39	37	-	-	-	-	69
river/canal/lake	-	-	68	300	55	-	-	-	43
spring	-	-	6	166	166	-	88	-	11
tanker	-	-	-	-	-	-	-	-	-
other	-	0	1	-	44	1000	912	-	5
n.r.	-	3	4	-	47	-	-	1000	4
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	1759	15515	16051	1384	229	8	152	16	35114
no. of sample hhs	156	1435	1489	124	23	1	13	2	3243
Bihar									rural
tap	16	11	3	-	-	-	-	-	7
tubewell, hand pump	981	737	621	548	370	-	948	135	703
well	-	243	368	360	441	1000	-	-	279
tank/pond reserved for drinking	-	-	1	-	-	-	-	-	0
other tank/pond	-	-	1	-	-	-	-	-	1
river/canal/lake	-	-	1	28	188	-	-	-	3
spring	-	-	2	57	-	-	52	-	3
tanker	-	-	0	-	-	-	-	-	0
other	2	2	1	-	-	-	-	-	1
n.r.	1	7	2	7	-	-	-	865	3
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	25740	31625	86528	4993	941	37	74	89	150028
no. of sample hhs	1341	1551	4253	260	47	3	3	6	7464

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

source of drinking water	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								
	within dwelling	outside dwelling but within premises	outside premises at distance < 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n. r.	all
1	2	3	4	5	6	7	8	9	10
Gujrat									rural
tap	907	622	284	242	225	-	-	-	466
tubewell, hand pump	93	206	444	295	339	457	-	-	317
well	-	128	201	318	349	543	1000	-	161
tank/pond reserved for drinking	-	-	39	84	67	-	-	-	25
other tank/pond	-	-	0	0	-	-	-	-	0
river/canal/lake	-	-	8	60	19	-	-	-	7
spring	-	-	-	-	-	-	-	-	-
tanker	-	44	21	-	-	-	-	-	22
other	-	-	1	-	-	-	-	-	1
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of hhs(00)	8794	13841	27872	2416	1275	193	79	-	54468
no. of sample hhs	460	693	1579	130	59	14	4	-	2939
Haryana									rural
tap	328	226	470	108	7	117	-	-	311
tubewell, hand pump	672	683	392	463	513	441	1000	1000	499
well	-	91	138	429	481	443	-	-	191
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	2853	4590	11692	3556	2446	231	17	3	25388
no. of sample hhs	127	248	551	165	116	13	1	1	1222
Karnataka									rural
tap	692	317	244	122	88	-	-	-	266
tubewell, hand pump	308	305	592	633	477	1000	-	-	539
well	-	365	122	170	277	-	-	-	156
tank/pond reserved for drinking	-	11	22	9	-	-	-	-	19
other tank/pond	-	3	1	10	-	-	-	-	2
river/canal/lake	-	-	17	57	158	-	-	-	17
spring	-	-	1	-	-	-	-	-	1
tanker	-	-	0	-	-	-	-	-	0
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	-	-	1000
estd. no. of hhs(00)	2826	10397	52522	3495	424	28	-	-	69692
no. of sample hhs	123	481	2367	160	20	1	-	-	3152

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

source of drinking water	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								
	within dwell-ing	outside dwelling but within premises	outside premises at distance					n. r.	all
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km		
1	2	3	4	5	6	7	8	9	10
Kerala									rural
tap	961	34	169	110	209	133	530	-	106
tubewell, hand pump	39	15	8	33	20	-	-	-	14
well	-	925	798	730	740	696	470	-	851
tank/pond reserved for drinking	-	13	14	37	-	171	-	-	15
other tank/pond	-	8	5	24	-	-	-	-	7
river/canal/lake	-	-	1	9	-	-	-	-	1
spring	-	-	3	37	31	-	-	-	3
tanker	-	-	-	-	-	-	-	-	-
other	-	4	1	20	-	-	-	-	4
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of hhs(00)	698	24996	17288	1635	573	152	69	-	45411
no. of sample hhs	44	1575	1151	96	33	9	3	-	2911
Madhya Pradesh									rural
tap	634	114	26	9	-	-	-	-	50
tubewell, hand pump	359	303	575	510	190	-	-	816	522
well	-	581	384	388	349	907	85	-	394
tank/pond reserved for drinking	-	0	0	-	-	-	-	-	0
other tank/pond	-	-	-	8	-	-	-	-	1
river/canal/lake	-	-	10	67	124	93	865	-	19
spring	-	-	5	16	329	-	-	-	13
tanker	-	-	0	-	8	-	50	-	1
other	7	-	-	2	-	-	-	-	0
n.r.	-	2	0	-	-	-	-	184	0
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	2913	11825	79910	9836	2446	172	358	22	107483
no. of sample hhs	165	627	4311	541	130	9	17	2	5802
Maharashtra									rural
tap	905	625	334	59	89	-	52	-	411
tubewell, hand pump	95	120	303	302	195	120	111	-	244
well	-	254	319	407	534	850	713	-	298
tank/pond reserved for drinking	-	1	-	5	-	-	-	-	1
other tank/pond	-	-	0	-	-	-	-	-	0
river/canal/lake	-	-	22	154	116	30	-	-	26
spring	-	-	16	65	-	-	-	-	14
tanker	-	-	5	4	-	-	124	-	3
other	-	-	-	3	66	-	-	-	1
n.r.	-	1	1	-	-	-	-	-	1
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of hhs(00)	6993	25507	68333	7302	2131	717	265	-	111247
no. of sample hhs	336	1206	3274	388	106	35	14	-	5359

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

source of drinking water	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								
	within dwell-ing	outside dwelling but within premises	outside premises at distance						all
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n. r.	
1	2	3	4	5	6	7	8	9	10
Orissa									rural
tap	264	33	27	16	-	-	-	-	29
tubewell, hand pump	736	285	567	513	284	-	517	-	532
well	-	665	313	224	184	-	244	-	337
tank/pond reserved for drinking	-	-	17	-	-	-	-	-	14
other tank/pond	-	-	17	70	152	-	239	-	21
river/canal/lake	-	-	22	68	326	-	-	-	27
spring	-	-	25	28	45	-	-	-	23
tanker	-	11	4	-	-	-	-	-	4
other	-	-	8	81	10	-	-	-	13
n.r.	-	6	-	-	-	-	-	-	1
all	1000	1000	1000	1000	1000	-	1000	-	1000
estd. no. of hhs(00)	600	6618	50214	5143	765	-	112	-	63451
no. of sample hhs	33	378	2710	236	39	-	5	-	3401
Punjab									rural
tap	91	82	424	410	577	294	-	-	148
tubewell, hand pump	907	907	478	176	295	706	-	-	827
well	-	12	97	414	-	-	-	-	23
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	128	-	1000	-	1
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	1	-	-	-	-	-	-	-	1
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of hhs(00)	12479	10438	4795	136	91	19	12	-	27971
no. of sample hhs	1154	958	400	10	8	2	1	-	2533
Rajasthan									rural
tap	833	350	138	69	10	-	-	1000	192
tubewell, hand pump	133	294	426	335	268	42	205	-	362
well	-	208	373	405	297	365	259	-	329
tank/pond reserved for drinking	-	40	36	77	224	496	450	-	61
other tank/pond	-	101	20	4	10	-	24	-	23
river/canal/lake	-	-	5	107	191	97	-	-	27
spring	-	-	-	-	-	-	-	-	-
tanker	-	7	-	-	-	-	62	-	2
other	34	-	2	4	1	-	-	-	4
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	4609	6083	38407	9179	1917	1319	813	52	62377
no. of sample hhs	298	360	2130	501	106	62	42	2	3501

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

source of drinking water	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								
	within dwelling	outside dwelling but within premises	outside premises at distance					n. r.	all
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km		
1	2	3	4	5	6	7	8	9	10
									rural
Tamil Nadu									
tap	737	415	524	257	152	101	-	471	500
tubewell, hand pump	263	400	295	331	350	730	439	529	311
well	-	173	140	214	291	89	125	-	142
tank/pond reserved for drinking	-	12	20	113	111	30	436	-	24
other tank/pond	-	-	4	37	34	25	-	-	5
river/canal/lake	-	-	8	28	61	25	-	-	8
spring	-	-	2	19	1	-	-	-	2
tanker	-	-	8	-	-	-	-	-	6
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	4809	10980	73681	4331	1749	600	125	44	96319
no. of sample hhs	282	600	4040	255	100	36	9	2	5324
									rural
Uttar Pradesh									
tap	201	76	46	-	-	-	5	-	88
tubewell, hand pump	798	773	564	251	123	-	36	-	635
well	-	148	375	228	671	16	782	-	221
tank/pond reserved for drinking	-	1	6	6	18	-	89	-	4
other tank/pond	-	-	1	-	-	-	70	-	1
river/canal/lake	-	-	1	11	-	5	19	-	1
spring	-	-	5	497	170	977	-	-	47
tanker	-	-	-	-	-	-	-	-	-
other	0	1	1	7	18	3	-	-	1
n.r.	0	1	0	-	-	-	-	1000	0
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	56720	52514	103709	5877	1108	7428	2637	15	230008
no. of sample hhs	2548	2411	4679	165	53	19	127	1	10003
									rural
West Bengal									
tap	108	22	41	41	21	-	-	-	41
tubewell, hand pump	892	775	732	928	961	1000	114	1000	756
well	-	196	206	25	18	-	565	-	182
tank/pond reserved for drinking	-	2	8	-	-	-	188	-	9
other tank/pond	-	1	1	-	-	-	94	-	2
river/canal/lake	-	-	3	-	-	-	23	-	2
spring	-	-	2	6	-	-	-	-	2
tanker	-	-	-	-	-	-	-	-	-
other	-	2	0	-	-	-	-	-	1
n.r.	-	2	7	-	-	-	16	-	5
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	7706	20044	72835	6960	1049	176	1712	69	110552
no. of sample hhs	364	976	3492	331	54	9	83	3	5312

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

source of drinking water	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								
	within dwelling	outside dwelling but within premises	outside premises at distance						all
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n. r.	
1	2	3	4	5	6	7	8	9	10
North-Eastern									rural
tap	539	321	258	163	114	-	163	-	283
tubewell, hand pump	441	280	137	24	35	-	267	-	185
well	-	287	178	117	28	119	477	-	194
tank/pond reserved for drinking	-	29	55	149	8	627	33	-	47
other tank/pond	-	29	18	12	-	-	-	-	19
river/canal/lake	-	-	48	39	70	-	-	-	33
spring	-	-	289	454	537	254	60	-	203
tanker	-	0	-	-	-	-	-	-	0
other	10	25	17	24	208	-	-	-	21
n.r.	10	29	0	16	-	-	-	1000	14
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	829	3978	10098	345	166	23	99	92	15630
no. of sample hhs	279	1392	4240	185	74	20	43	40	6273
North-Western									rural
tap	714	751	529	94	87	344	110	-	578
tubewell, hand pump	286	218	85	13	32	5	-	-	139
well	-	28	113	320	228	64	42	-	88
tank/pond reserved for drinking	-	1	9	-	-	-	-	-	5
other tank/pond	-	-	25	-	-	-	-	-	13
river/canal/lake	-	-	51	251	86	-	-	-	42
spring	-	-	174	322	567	587	848	-	127
tanker	-	-	9	-	-	-	-	-	5
other	-	1	4	-	-	-	-	-	3
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of hhs(00)	2494	5820	11121	1202	218	121	187	-	21164
no. of sample hhs	342	1105	2015	244	39	24	47	-	3816
Southern									rural
tap	935	595	587	206	302	-	-	-	626
tubewell, hand pump	65	47	66	172	129	-	-	-	63
well	-	357	300	227	379	1000	-	-	254
tank/pond reserved for drinking	-	1	2	-	-	-	-	-	1
other tank/pond	-	-	0	-	-	-	-	-	0
river/canal/lake	-	-	13	238	-	-	-	-	13
spring	-	-	32	157	189	-	-	-	22
tanker	-	-	-	-	-	-	875	-	17
other	-	-	-	-	-	-	125	-	2
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of hhs(00)	543	784	1560	82	28	2	61	-	3059
no. of sample hhs	154	239	567	36	9	1	8	-	1014

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								
			outside premises at distance						
source of drinking water	within dwelling	outside dwelling but within premises	< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n. r.	all
1	2	3	4	5	6	7	8	9	10
									urban
Andhra Pradesh									
tap	899	753	710	616	893	381	-	1000	751
tubewell, hand pump	101	179	115	86	10	619	-	-	128
well	-	68	72	281	51	-	-	-	67
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	9	12	-	-	-	-	5
river/canal/lake	-	-	1	-	26	-	-	-	1
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	93	5	20	-	-	-	48
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	-	1000	1000
estd. no. of hhs(00)	8184	10990	22535	2019	240	137	-	10	44115
no. of sample hhs	414	608	1194	82	50	7	-	1	2356
									urban
Assam									
tap	588	355	444	-	-	-	-	-	422
tubewell, hand pump	412	417	268	-	-	1000	-	-	384
well	-	228	288	-	-	-	-	-	194
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	-	-	1000	-	-	1000
estd. no. of hhs(00)	922	2576	999	-	-	7	-	-	4504
no. of sample hhs	92	292	118	-	-	2	-	-	504
									urban
Bihar									
tap	495	268	323	28	-	1000	-	-	353
tubewell, hand pump	505	540	328	193	-	-	-	-	431
well	-	191	317	282	1000	-	-	-	191
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	28	1	-	-	-	-	11
spring	-	-	1	-	-	-	-	-	0
tanker	-	-	2	496	-	-	-	-	13
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	1000	2
all	1000	1000	1000	1000	1000	1000	-	1000	1000
estd. no. of hhs(00)	7349	6093	8632	573	337	81	-	35	23100
no. of sample hhs	487	328	419	38	7	1	-	3	1283

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

source of drinking water	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								
	within dwell-ing	outside dwelling but within premises	outside premises at distance						all
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n. r.	
1	2	3	4	5	6	7	8	9	10
Gujrat									urban
tap	979	863	759	1000	1000	-	-	-	911
tubewell, hand pump	21	88	227	-	-	-	-	-	73
well	-	9	15	-	-	-	-	-	5
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	40	-	-	-	-	-	-	11
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	-	-	-	1000
estd. no. of hhs(00)	11196	6276	3645	1017	63	-	-	-	22196
no. of sample hhs	781	441	444	33	2	-	-	-	1701
Haryana									urban
tap	827	802	788	60	254	-	-	-	805
tubewell, hand pump	173	197	203	940	746	-	-	-	194
well	-	-	-	-	-	-	-	-	-
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	0	0	9	-	-	-	-	-	2
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	-	-	-	1000
estd. no. of hhs(00)	6226	2198	1592	101	55	-	-	-	10172
no. of sample hhs	224	59	135	8	4	-	-	-	430
Karnataka									urban
tap	968	798	702	557	648	-	-	-	809
tubewell, hand pump	32	28	226	443	301	1000	-	-	112
well	-	169	51	-	51	-	-	-	66
tank/pond reserved for drinking	-	6	14	-	-	-	760	-	9
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	8	-	-	-	-	-	3
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	240	-	1
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of hhs(00)	8565	7248	9689	217	371	77	95	-	26262
no. of sample hhs	416	403	704	24	11	3	5	-	1566

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

source of drinking water	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								all
	within dwelling	outside dwelling but within premises	outside premises at distance						
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n. r.	
1	2	3	4	5	6	7	8	9	10
									urban
Kerala									
tap	977	181	241	511	580	-	-	-	402
tubewell, hand pump	23	26	49	334	-	-	-	-	35
well	-	793	680	155	420	-	-	-	554
tank/pond reserved for drinking	-	-	23	-	-	-	-	-	6
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	7	-	-	-	-	-	2
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	1000	-	0
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	-	1000	-	1000
estd. no. of hhs(00)	3616	6630	3946	163	72	-	5	-	14431
no. of sample hhs	257	594	402	28	14	-	1	-	1296
									urban
Madhya Pradesh									
tap	866	754	684	461	594	900	-	678	761
tubewell, hand pump	94	133	160	216	8	100	-	-	131
well	-	113	147	323	398	-	-	-	91
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	9	-	-	-	-	-	4
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-
n.r.	40	-	0	-	-	-	-	322	14
all	1000	1000	1000	1000	1000	1000	-	1000	1000
estd. no. of hhs(00)	11179	8195	12821	499	40	33	-	50	32817
no. of sample hhs	552	407	953	74	10	10	-	4	2010
									urban
Maharashtra									
tap	981	927	792	646	205	-	-	1000	920
tubewell, hand pump	19	49	120	112	645	1000	-	-	53
well	-	24	84	110	-	-	-	-	25
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	1	-	-	-	-	-	0
tanker	-	-	3	-	-	-	-	-	1
other	-	-	0	132	151	-	-	-	2
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	-	1000	1000
estd. no. of hhs(00)	33154	20446	13940	619	271	47	-	28	68505
no. of sample hhs	1687	1099	970	37	10	1	-	2	3806

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

source of drinking water	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								
	within dwelling	outside dwelling but within premises	outside premises at distance						
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n. r.	all
1	2	3	4	5	6	7	8	9	10
Orissa									urban
tap	906	197	258	11	-	-	-	-	387
tubewell, hand pump	94	156	508	487	177	-	1000	-	323
well	-	647	221	173	530	-	-	-	261
tank/pond reserved for drinking	-	-	0	-	-	-	-	-	0
other tank/pond	-	-	2	82	293	-	-	-	12
river/canal/lake	-	-	3	225	-	-	-	-	12
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	8	23	-	-	-	-	5
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	-	1000	-	1000
estd. no. of hhs(00)	2500	2124	4769	470	255	-	1	-	10120
no. of sample hhs	149	93	370	27	6	-	1	-	646
Punjab									urban
tap	772	423	616	-	442	1000	263	-	644
tubewell, hand pump	228	575	382	-	558	-	737	1000	355
well	-	2	-	-	-	-	-	-	1
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	2	-	-	-	-	-	0
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	-	1000	1000	1000	1000	1000
estd. no. of hhs(00)	9946	5542	758	-	40	78	106	10	16480
no. of sample hhs	867	317	100	-	3	3	4	1	1295
Rajasthan									urban
tap	973	953	421	572	17	-	-	-	854
tubewell, hand pump	27	44	493	4	3	-	-	-	104
well	-	3	23	-	-	-	-	-	4
tank/pond reserved for drinking	-	-	-	424	980	-	-	-	11
other tank/pond	-	-	0	-	-	-	-	-	0
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	22	-	-	798	-	-	17
other	-	-	41	-	-	202	-	-	10
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	-	-	1000
estd. no. of hhs(00)	9399	6024	2922	110	168	333	-	-	18957
no. of sample hhs	619	273	204	12	16	5	-	-	1129

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

source of drinking water	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								
	within dwelling	outside dwelling but within premises	outside premises at distance					n. r.	all
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km		
1	2	3	4	5	6	7	8	9	10
									urban
Tamil Nadu									
tap	809	679	769	613	315	590	444	847	740
tubewell, hand pump	187	280	127	135	365	188	-	153	187
well	-	34	45	38	75	168	-	-	34
tank/pond reserved for drinking	-	-	4	108	60	-	-	-	4
other tank/pond	-	0	-	-	-	54	-	-	1
river/canal/lake	-	-	1	-	185	-	-	-	2
spring	-	-	-	-	-	-	-	-	-
tanker	-	5	48	106	-	-	556	-	27
other	5	1	5	-	-	-	-	-	4
n.r.	-	-	0	-	-	-	-	-	0
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	10102	16407	25642	934	535	438	98	38	54195
no. of sample hhs	607	901	1479	90	28	23	7	3	3138
									urban
Uttar Pradesh									
tap	525	417	235	189	-	-	-	-	432
tubewell, hand pump	475	545	636	808	943	-	-	-	532
well	-	38	129	3	57	-	-	-	36
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	-	-	-	1000
estd. no. of hhs(00)	32256	12748	12169	449	741	-	-	-	58362
no. of sample hhs	1599	461	690	22	20	-	-	-	2792
									urban
West Bengal									
tap	828	550	465	418	28	1000	-	1000	560
tubewell, hand pump	157	323	511	417	-	-	1000	-	382
well	-	126	23	66	-	-	-	-	47
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	100	972	-	-	-	7
spring	-	-	1	-	-	-	-	-	0
tanker	-	-	-	-	-	-	-	-	-
other	7	-	0	-	-	-	-	-	2
n.r.	8	-	0	-	-	-	-	-	2
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	8125	10551	19337	700	207	39	53	12	39025
no. of sample hhs	450	621	1099	25	19	2	4	2	2222

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

source of drinking water	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								all
	within dwelling	outside dwelling but within premises	outside premises at distance						
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km	n. r.	
1	2	3	4	5	6	7	8	9	10
North-Eastern									urban
tap	837	638	320	57	-	-	-	136	522
tubewell, hand pump	161	232	82	-	-	-	126	-	147
well	-	60	195	-	-	-	692	-	110
tank/pond reserved for drinking	-	43	81	398	-	-	-	-	53
other tank/pond	-	19	14	206	662	-	-	-	15
river/canal/lake	-	-	36	-	-	-	39	-	16
spring	-	-	197	131	338	-	-	-	88
tanker	-	1	47	208	-	-	-	-	22
other	2	8	12	-	-	-	-	158	10
n.r.	-	-	16	-	-	-	143	707	18
all	1000	1000	1000	1000	1000	-	1000	1000	1000
estd. no. of hhs(00)	692	1219	1571	26	2	-	18	50	3578
no. of sample hhs	470	612	1024	22	3	-	8	26	2165
North-Western									urban
tap	968	773	957	834	603	-	-	-	942
tubewell, hand pump	32	215	35	-	-	-	-	-	54
well	-	12	-	-	-	-	-	-	1
tank/pond reserved for drinking	-	-	3	-	-	-	-	-	1
other tank/pond	-	-	2	-	-	-	-	-	0
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	3	166	397	1000	-	-	1
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	-	-	1000
estd. no. of hhs(00)	18961	3094	4358	80	26	1	-	-	26520
no. of sample hhs	1493	317	301	9	3	1	-	-	2124
Southern									urban
tap	957	663	756	192	840	1000	-	-	839
tubewell, hand pump	43	118	14	30	114	-	-	-	57
well	-	195	194	703	18	-	-	-	90
tank/pond reserved for drinking	-	12	-	-	-	-	-	-	3
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	12	29	75	29	-	-	-	10
other	-	-	7	-	-	-	-	-	1
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	-	-	1000
estd. no. of hhs(00)	1272	592	499	11	82	9	-	-	2465
no. of sample hhs	377	232	227	12	11	1	-	-	860

Table 3: Per 1000 distribution by principal source of drinking water of households located at specific distances from their principal source

source of drinking water	per 1000 no. of households using the source as principal source of drinking water (PSDW) among households with PSDW located								
	within dwelling	outside dwelling but within premises	outside premises at distance					n. r.	all
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km		
1	2	3	4	5	6	7	8	9	10
									rural
India									
tap	324	205	173	77	55	14	19	181	187
tubewell, hand pump	674	481	496	430	302	89	111	311	501
well	-	291	284	316	418	159	546	-	258
tank/pond reserved for drinking	-	6	14	24	40	63	139	-	13
other tank/pond	-	10	5	10	10	1	56	-	6
river/canal/lake	-	-	12	63	99	21	58	-	13
spring	-	-	11	70	64	650	26	-	17
tanker	-	3	3	0	1	-	22	-	2
other	2	1	2	8	11	2	21	-	2
n.r.	0	2	1	1	1	-	4	508	1
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	148874	271413	814136	75291	20194	11324	7063	402	1348695
no. of sample hhs	8473	17015	47448	4182	1120	265	428	59	78990
									urban
India									
tap	832	655	603	527	266	427	190	527	701
tubewell, hand pump	165	229	255	215	371	236	357	67	213
well	-	112	104	144	181	57	33	-	67
tank/pond reserved for drinking	-	1	3	20	56	-	191	-	2
other tank/pond	-	0	2	9	22	19	-	-	1
river/canal/lake	-	-	4	22	87	-	2	-	2
spring	-	-	2	2	3	1	-	-	1
tanker	-	3	24	50	2	208	146	-	10
other	1	0	2	12	12	53	73	34	1
n.r.	3	-	0	-	-	-	7	372	1
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	183642	128953	149826	7988	3505	1280	375	233	475803
no. of sample hhs	11541	8058	10833	543	217	59	30	42	31323

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

source of drinking water	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located								
	within dwell-ing	outside dwelling but within pre-mises	outside premises at distance					n. r.	all
			< 0.2 km	0.2 - 0.5 km	0.5- 1 km	1 - 1.6 km	> 1.6 km		
1	2	3	4	5	6	7	8	9	10
Andhra Pradesh									rural
tap	746	345	232	155	15	-	212	-	262
tubewell, hand pump	254	418	522	327	157	138	128	-	475
well	-	219	179	412	691	222	660	-	201
tank/pond reserved for drinking	-	7	28	25	18	-	-	-	24
other tank/pond	-	-	3	-	-	-	-	-	2
river/canal/lake	-	-	24	34	120	203	-	-	22
spring	-	-	3	45	-	436	-	-	5
tanker	-	-	4	0	-	-	-	-	3
other	-	2	3	2	-	-	-	-	3
n.r.	-	9	1	-	-	-	-	-	2
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of persons(00)	23957	69066	375130	32297	9724	467	600	-	511241
no. of sample persons	1159	3384	18207	1572	392	31	20	-	24765
Assam									rural
tap	141	11	118	176	111	-	-	-	70
tubewell, hand pump	859	544	430	147	220	-	-	-	493
well	-	299	321	142	400	-	-	-	285
tank/pond reserved for drinking	-	32	16	-	-	-	-	-	22
other tank/pond	-	109	41	43	-	-	-	-	71
river/canal/lake	-	-	64	334	11	-	-	-	39
spring	-	-	6	157	182	-	40	-	10
tanker	-	-	-	-	-	-	-	-	-
other	-	0	1	-	46	1000	960	-	6
n.r.	-	3	4	-	29	-	-	1000	4
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	10034	87777	78181	6884	1111	41	1009	67	185105
no. of sample persons	884	8037	7279	631	106	5	83	9	17034
Bihar									rural
tap	14	14	2	-	-	-	-	-	7
tubewell, hand pump	982	725	608	498	259	-	979	118	706
well	-	253	381	417	513	1000	-	-	276
tank/pond reserved for drinking	-	-	1	-	-	-	-	-	0
other tank/pond	-	-	2	-	-	-	-	-	1
river/canal/lake	-	-	1	26	228	-	-	-	2
spring	-	-	2	50	-	-	21	-	3
tanker	-	-	0	-	-	-	-	-	0
other	3	1	1	-	-	-	-	-	1
n.r.	1	7	2	9	-	-	-	882	4
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	165659	186098	434981	23186	4450	99	715	508	815696
no. of sample persons	8818	9262	21733	1227	225	8	24	32	41329

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

source of drinking water	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located								
	within dwelling	outside dwelling but within pre-mises	outside premises at distance					n. r.	all
			< 0.2 km	0.2 - 0.5 km	0.5- 1 km	1 - 1.6 km	> 1.6 km		
1	2	3	4	5	6	7	8	9	10
									rural
Gujrat									
tap	903	638	275	226	227	-	-	-	461
tubewell, hand pump	97	216	451	311	316	470	-	-	325
well	-	109	197	320	353	530	1000	-	156
tank/pond reserved for drinking	-	-	44	91	71	-	-	-	28
other tank/pond	-	-	0	1	-	-	-	-	0
river/canal/lake	-	-	9	52	32	-	-	-	8
spring	-	-	-	-	-	-	-	-	-
tanker	-	38	24	-	-	-	-	-	21
other	-	-	1	-	-	-	-	-	1
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of persons(00)	43149	67646	138044	12713	6799	1180	441	-	269972
no. of sample persons	2251	3516	7930	683	318	69	21	-	14788
									rural
Haryana									
tap	295	189	465	107	9	181	-	-	295
tubewell, hand pump	705	723	380	465	520	525	1000	1000	508
well	-	88	155	429	471	294	-	-	196
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	16626	26039	63501	21217	13378	1338	85	14	142198
no. of sample persons	756	1412	2999	987	632	70	5	5	6866
									rural
Karnataka									
tap	741	314	235	107	126	-	-	-	261
tubewell, hand pump	259	286	602	637	471	1000	-	-	542
well	-	383	121	171	224	-	-	-	156
tank/pond reserved for drinking	-	16	23	13	-	-	-	-	20
other tank/pond	-	2	1	13	-	-	-	-	2
river/canal/lake	-	-	16	59	178	-	-	-	16
spring	-	-	3	-	-	-	-	-	2
tanker	-	-	1	-	-	-	-	-	0
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	-	-	1000
estd. no. of persons(00)	15202	50410	263997	16666	2134	113	-	-	348523
no. of sample persons	637	2332	11895	775	105	4	-	-	15748

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

source of drinking water	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located								
	within dwelling	outside dwelling but within premises	outside premises at distance					n. r.	all
			< 0.2 km	0.2 - 0.5 km	0.5- 1 km	1 - 1.6 km	> 1.6 km		
1	2	3	4	5	6	7	8	9	10
Kerala									rural
tap	958	34	161	123	271	156	473	-	102
tubewell, hand pump	42	15	8	25	21	-	-	-	13
well	-	929	809	725	680	644	527	-	859
tank/pond reserved for drinking	-	14	12	40	-	200	-	-	14
other tank/pond	-	4	5	17	-	-	-	-	5
river/canal/lake	-	-	1	13	-	-	-	-	1
spring	-	-	3	38	28	-	-	-	3
tanker	-	-	-	-	-	-	-	-	-
other	-	4	2	19	-	-	-	-	4
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of persons(00)	2943	117564	81814	6965	2661	647	155	-	212750
no. of sample persons	181	7472	5562	415	159	38	7	-	13834
Madhya Pradesh									rural
tap	634	118	27	9	-	-	-	-	54
tubewell, hand pump	355	292	566	517	192	-	-	930	512
well	-	587	391	387	376	942	19	-	399
tank/pond reserved for drinking	-	0	0	-	-	-	-	-	0
other tank/pond	-	-	-	7	-	-	-	-	1
river/canal/lake	-	-	11	68	117	58	973	-	21
spring	-	-	4	11	305	-	-	-	11
tanker	-	-	0	-	9	-	7	-	1
other	12	-	-	2	-	-	-	-	1
n.r.	-	3	0	-	-	-	-	70	0
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	18137	62623	410525	51017	12275	821	2501	58	557958
no. of sample persons	1028	3356	22186	2828	666	42	115	4	30225
Maharashtra									rural
tap	903	623	324	51	54	-	33	-	407
tubewell, hand pump	97	123	309	290	154	189	139	-	245
well	-	252	320	425	618	786	713	-	300
tank/pond reserved for drinking	-	1	-	6	-	-	-	-	1
other tank/pond	-	-	0	-	-	-	-	-	0
river/canal/lake	-	-	22	155	114	25	-	-	26
spring	-	-	18	65	-	-	-	-	15
tanker	-	-	5	4	-	-	116	-	4
other	-	-	-	5	60	-	-	-	2
n.r.	-	1	1	-	-	-	-	-	1
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of persons(00)	35608	122811	314463	34441	11225	3354	1700	-	523603
no. of sample persons	1736	5878	15323	1828	553	164	91	-	25573

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

source of drinking water	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located								
	within dwell-ing	outside dwelling but within pre-mises	outside premises at distance						
			< 0.2 km	0.2 - 0.5 km	0.5- 1 km	1 - 1.6 km	> 1.6 km	n. r.	all
1	2	3	4	5	6	7	8	9	10
Orissa									rural
tap	218	18	26	23	-	-	-	-	26
tubewell, hand pump	782	324	562	478	286	-	516	-	527
well	-	642	318	243	256	-	271	-	346
tank/pond reserved for drinking	-	-	20	-	-	-	-	-	15
other tank/pond	-	-	16	72	79	-	213	-	20
river/canal/lake	-	-	23	68	343	-	-	-	27
spring	-	-	24	27	21	-	-	-	21
tanker	-	12	3	-	-	-	-	-	4
other	-	-	9	89	14	-	-	-	14
n.r.	-	4	-	-	-	-	-	-	0
all	1000	1000	1000	1000	1000	-	1000	-	1000
estd. no. of persons(00)	3377	35656	235354	23367	3240	-	503	-	301499
no. of sample persons	183	2058	12803	1114	170	-	22	-	16350
Punjab									rural
tap	89	85	440	315	504	715	-	-	145
tubewell, hand pump	910	904	463	216	331	285	-	-	831
well	-	11	97	469	-	-	-	-	22
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	165	-	1000	-	2
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	1	-	-	-	-	-	-	-	0
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of persons(00)	67966	56375	23290	720	426	48	204	-	149028
no. of sample persons	6261	5140	1957	52	37	7	17	-	13471
Rajasthan									rural
tap	809	326	127	82	7	-	-	1000	183
tubewell, hand pump	160	280	426	331	251	62	224	-	363
well	-	239	381	419	306	367	231	-	340
tank/pond reserved for drinking	-	45	40	67	212	465	460	-	60
other tank/pond	-	107	18	4	12	-	18	-	23
river/canal/lake	-	-	6	94	211	106	-	-	26
spring	-	-	-	-	-	-	-	-	-
other	31	-	2	3	1	-	-	-	4
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	25866	33520	216520	51963	10779	6569	4377	164	349760
no. of sample persons	1655	1959	12013	2838	592	310	226	7	19600

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

source of drinking water	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located within dwell-ing	outside dwelling but within pre-mises	outside premises at distance < 0.2 km	0.2 - 0.5 km	0.5- 1 km	1 - 1.6 km	> 1.6 km	n. r.	all
1	2	3	4	5	6	7	8	9	10
Tamil Nadu									rural
tap	732	417	519	253	168	120	-	690	497
tubewell, hand pump	268	401	298	334	335	676	356	310	313
well	-	168	141	216	279	64	75	-	142
tank/pond reserved for drinking	-	14	21	107	102	40	569	-	25
other tank/pond	-	-	4	41	42	60	-	-	6
river/canal/lake	-	-	7	27	74	40	-	-	8
spring	-	-	2	22	1	-	-	-	3
tanker	-	-	8	-	-	-	-	-	6
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	21604	45952	291929	17869	7015	2221	414	151	387155
no. of sample persons	1266	2562	16220	1068	412	138	31	7	21704
Uttar Pradesh									rural
tap	184	65	42	-	-	-	6	-	83
tubewell, hand pump	815	788	570	265	103	-	34	-	658
well	-	145	374	254	703	22	775	-	211
tank/pond reserved for drinking	-	1	6	9	21	-	81	-	4
other tank/pond	-	-	1	-	-	-	88	-	1
river/canal/lake	-	-	1	12	-	4	16	-	1
spring	-	-	5	454	136	969	-	-	39
tanker	-	-	-	-	-	-	-	-	-
other	0	1	1	6	37	5	-	-	1
n.r.	0	1	0	-	-	-	-	1000	0
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	353228	308816	548632	30936	6417	34662	13446	92	1296229
no. of sample persons	16258	14406	24919	965	312	97	640	6	57603
West Bengal									rural
tap	104	15	39	40	11	-	-	-	38
tubewell, hand pump	896	781	740	929	983	1000	145	1000	765
well	-	195	201	26	6	-	559	-	177
tank/pond reserved for drinking	-	3	9	-	-	-	167	-	9
other tank/pond	-	1	0	-	-	-	96	-	2
river/canal/lake	-	-	3	-	-	-	24	-	2
spring	-	-	2	5	-	-	-	-	2
tanker	-	-	-	-	-	-	-	-	-
other	-	3	0	-	-	-	-	-	1
n.r.	-	2	6	-	-	-	9	-	4
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	41461	102477	353367	34357	6115	938	9027	504	548247
no. of sample persons	1963	5001	17012	1640	325	47	430	22	26440

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

source of drinking water	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located								
	within dwell-ing	outside dwelling but within pre-mises	outside premises at distance						
			< 0.2 km	0.2 - 0.5 km	0.5- 1 km	1 - 1.6 km	> 1.6 km	n. r.	all
1	2	3	4	5	6	7	8	9	10
North-Eastern									rural
tap	476	316	262	133	89	-	148	-	278
tubewell, hand pump	504	286	128	20	18	-	244	-	182
well	-	267	177	137	38	156	500	-	189
tank/pond reserved for drinking	-	32	58	146	12	567	36	-	50
other tank/pond	-	32	19	13	-	-	-	-	20
river/canal/lake	-	-	50	52	69	-	-	-	34
spring	-	-	289	460	547	276	73	-	207
tanker	-	0	-	-	-	-	-	-	0
other	8	24	17	29	226	-	-	-	21
n.r.	12	43	0	11	-	-	-	1000	18
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	3966	18943	50103	1716	969	141	499	460	76796
no. of sample persons	1320	6846	20979	906	415	124	212	196	30998
North-Western									rural
tap	720	751	523	102	46	273	92	-	573
tubewell, hand pump	280	212	68	11	44	6	-	-	128
well	-	36	108	273	251	90	49	-	86
tank/pond reserved for drinking	-	0	12	-	-	-	-	-	6
other tank/pond	-	-	34	-	-	-	-	-	18
river/canal/lake	-	-	55	295	110	-	-	-	47
spring	-	-	185	318	549	632	859	-	134
tanker	-	-	9	-	-	-	-	-	5
other	-	1	5	-	-	-	-	-	3
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of persons(00)	12690	29315	54874	6379	1110	676	1126	-	106169
no. of sample persons	1737	5775	10299	1333	203	144	264	-	19755
Southern									rural
tap	954	579	574	179	391	-	-	-	621
tubewell, hand pump	46	45	70	164	154	-	-	-	62
well	-	376	301	261	192	1000	-	-	260
tank/pond reserved for drinking	-	0	3	-	-	-	-	-	1
other tank/pond	-	-	0	-	-	-	-	-	0
river/canal/lake	-	-	15	258	-	-	-	-	17
spring	-	-	36	138	263	-	-	-	25
tanker	-	-	-	-	-	-	880	-	12
other	-	-	-	-	-	-	120	-	2
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of persons(00)	2523	3573	7024	476	139	10	189	-	13933
no. of sample persons	648	1283	2618	187	49	6	25	-	4816

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located								
			outside premises at distance						
source of drinking water	within dwelling	outside dwelling but within pre-mises	< 0.2 km	0.2 - 0.5 km	0.5- 1 km	1 - 1.6 km	> 1.6 km	n. r.	all
1	2	3	4	5	6	7	8	9	10
Andhra Pradesh									urban
tap	933	773	698	604	908	449	-	1000	756
tubewell, hand pump	67	166	118	91	10	551	-	-	119
well	-	62	77	287	32	-	-	-	68
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	9	16	-	-	-	-	5
river/canal/lake	-	-	1	-	25	-	-	-	1
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	98	2	25	-	-	-	51
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	-	1000	1000
estd. no. of persons(00)	37555	47754	102970	9261	1170	666	-	118	199494
no. of sample persons	1914	2658	5360	373	225	37	-	12	10579
Assam									urban
tap	509	345	426	-	-	-	-	-	399
tubewell, hand pump	491	417	271	-	-	1000	-	-	408
well	-	237	302	-	-	-	-	-	193
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	-	-	1000	-	-	1000
estd. no. of persons(00)	4543	11033	3650	-	-	22	-	-	19248
no. of sample persons	429	1243	428	-	-	7	-	-	2107
Bihar									urban
tap	495	268	306	16	-	1000	-	-	355
tubewell, hand pump	505	535	341	124	-	-	-	-	433
well	-	196	330	419	1000	-	-	-	191
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	20	1	-	-	-	-	8
spring	-	-	1	-	-	-	-	-	0
tanker	-	-	2	440	-	-	-	-	11
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	1000	1
all	1000	1000	1000	1000	1000	1000	-	1000	1000
estd. no. of persons(00)	44315	30081	47668	3057	1441	484	-	169	127217
no. of sample persons	2789	1634	2279	184	29	6	-	12	6933

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

source of drinking water	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located								
	within dwell-ing	outside dwelling but within pre-mises	outside premises at distance					n. r.	all
			< 0.2 km	0.2 - 0.5 km	0.5-1 km	1 - 1.6 km	> 1.6 km		
1	2	3	4	5	6	7	8	9	10
Gujrat									urban
tap	965	892	759	1000	1000	-	-	-	914
tubewell, hand pump	35	92	232	-	-	-	-	-	80
well	-	7	10	-	-	-	-	-	3
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	9	-	-	-	-	-	-	2
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	-	-	-	1000
estd. no. of persons(00)	56724	28350	16847	4203	312	-	-	-	106436
no. of sample persons	3881	2017	2043	124	6	-	-	-	8071
Haryana									urban
tap	854	825	785	32	352	-	-	-	824
tubewell, hand pump	146	174	205	968	648	-	-	-	174
well	-	-	-	-	-	-	-	-	-
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	0	1	11	-	-	-	-	-	2
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	-	-	-	1000
estd. no. of persons(00)	29805	9694	7119	560	316	-	-	-	47494
no. of sample persons	1089	237	638	43	23	-	-	-	2030
Karnataka									urban
tap	959	761	712	491	726	-	-	-	796
tubewell, hand pump	41	26	219	509	215	1000	-	-	116
well	-	209	54	-	60	-	-	-	79
tank/pond reserved for drinking	-	4	14	-	-	-	912	-	8
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	2	-	-	-	-	-	1
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	88	-	0
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	1000	-	1000
estd. no. of persons(00)	36881	32661	44461	929	1908	669	258	-	117766
no. of sample persons	1865	1819	3191	107	56	26	14	-	7078

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located								
			outside premises at distance						
source of drinking water	within dwell-ing	outside dwelling but within pre-mises	< 0.2 km	0.2 - 0.5 km	0.5- 1 km	1 - 1.6 km	> 1.6 km	n. r.	all
1	2	3	4	5	6	7	8	9	10
Kerala									urban
tap	971	173	271	494	476	-	-	-	389
tubewell, hand pump	29	27	50	361	-	-	-	-	38
well	-	801	667	145	524	-	-	-	569
tank/pond reserved for drinking	-	-	5	-	-	-	-	-	1
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	8	-	-	-	-	-	2
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	1000	-	0
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	-	1000	-	1000
estd. no. of persons(00)	14077	28293	18144	664	343	-	5	-	61527
no. of sample persons	1054	2840	1925	167	88	-	1	-	6075
Madhya Pradesh									urban
tap	856	741	702	435	673	828	-	857	763
tubewell, hand pump	102	146	157	232	15	172	-	-	136
well	-	113	133	333	311	-	-	-	84
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	8	-	-	-	-	-	3
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-
n.r.	42	-	0	-	-	-	-	143	15
all	1000	1000	1000	1000	1000	1000	-	1000	1000
estd. no. of persons(00)	59772	40958	66231	2036	155	116	-	225	169491
no. of sample persons	2946	2074	4738	334	46	35	-	16	10189
Maharashtra									urban
tap	978	920	797	558	123	-	-	1000	915
tubewell, hand pump	22	53	126	156	815	1000	-	-	59
well	-	27	72	106	-	-	-	-	24
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	1	-	-	-	-	-	0
tanker	-	-	3	-	-	-	-	-	1
other	-	-	0	180	62	-	-	-	2
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	-	1000	1000
estd. no. of persons(00)	148169	87440	63972	2727	1324	282	-	139	304054
no. of sample persons	7648	5135	4593	172	42	6	-	10	17606

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

source of drinking water	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located								
	within dwell-ing	outside dwelling but within pre-mises	outside premises at distance					n. r.	all
			< 0.2 km	0.2 - 0.5 km	0.5- 1 km	1 - 1.6 km	> 1.6 km		
1	2	3	4	5	6	7	8	9	10
Orissa									urban
tap	903	211	254	9	-	-	-	-	398
tubewell, hand pump	97	77	558	549	132	-	1000	-	350
well	-	713	176	113	593	-	-	-	222
tank/pond reserved for drinking	-	-	0	-	-	-	-	-	0
other tank/pond	-	-	2	109	275	-	-	-	12
river/canal/lake	-	-	2	203	-	-	-	-	13
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	8	16	-	-	-	-	5
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	-	1000	-	1000
estd. no. of persons(00)	11233	7146	21461	2474	684	-	2	-	43000
no. of sample persons	668	320	1689	130	16	-	3	-	2826
Punjab									urban
tap	767	435	709	-	498	1000	169	-	663
tubewell, hand pump	233	562	288	-	502	-	831	1000	336
well	-	3	-	-	-	-	-	-	1
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	3	-	-	-	-	-	0
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	-	1000	1000	1000	1000	1000
estd. no. of persons(00)	46683	20773	3192	-	134	401	656	49	71888
no. of sample persons	4044	1413	425	-	10	15	25	5	5937
Rajasthan									urban
tap	973	950	375	527	14	-	-	-	841
tubewell, hand pump	27	47	557	10	3	-	-	-	119
well	-	3	20	-	-	-	-	-	4
tank/pond reserved for drinking	-	-	-	463	983	-	-	-	10
other tank/pond	-	-	0	-	-	-	-	-	0
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	16	-	-	775	-	-	17
other	-	-	33	-	-	225	-	-	10
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	-	-	1000
estd. no. of persons(00)	49873	28859	15951	196	891	1798	-	-	97569
no. of sample persons	3261	1342	966	45	83	27	-	-	5724

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

source of drinking water	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located								
	within dwell-ing	outside dwelling but within pre-mises	outside premises at distance					n. r.	all
			< 0.2 km	0.2 - 0.5 km	0.5- 1 km	1 - 1.6 km	> 1.6 km		
1	2	3	4	5	6	7	8	9	10
									urban
Tamil Nadu									
tap	815	665	769	571	195	467	355	911	736
tubewell, hand pump	184	294	129	150	434	209	-	89	192
well	-	35	49	41	74	257	-	-	37
tank/pond reserved for drinking	-	-	2	120	72	-	-	-	4
other tank/pond	-	1	-	-	-	67	-	-	1
river/canal/lake	-	-	1	-	224	-	-	-	2
spring	-	-	-	-	-	-	-	-	-
tanker	-	4	48	118	-	-	645	-	27
other	1	1	2	-	-	-	-	-	2
n.r.	-	-	0	-	-	-	-	-	0
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	43269	63218	99700	4194	1765	1777	369	65	214357
no. of sample persons	2616	3460	5876	382	89	91	23	5	12542
									urban
Uttar Pradesh									
tap	513	336	202	110	-	-	-	-	406
tubewell, hand pump	487	612	672	886	941	-	-	-	557
well	-	52	126	4	59	-	-	-	37
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	-	-	-	1000
estd. no. of persons(00)	180440	52628	65507	1778	4319	-	-	-	304672
no. of sample persons	9173	2293	3513	86	122	-	-	-	15187
									urban
West Bengal									
tap	818	486	469	431	26	1000	-	1000	545
tubewell, hand pump	162	351	509	410	-	-	1000	-	387
well	-	162	20	17	-	-	-	-	55
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	142	974	-	-	-	7
spring	-	-	1	-	-	-	-	-	0
tanker	-	-	-	-	-	-	-	-	-
other	11	-	0	-	-	-	-	-	3
n.r.	8	-	0	-	-	-	-	-	2
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	35906	46847	82298	2726	897	199	162	26	169062
no. of sample persons	1936	2811	4699	101	82	11	12	5	9657

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

source of drinking water	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located								
	within dwell-ing	outside dwelling but within pre-mises	outside premises at distance					n. r.	all
			< 0.2 km	0.2 - 0.5 km	0.5- 1 km	1 - 1.6 km	> 1.6 km		
1	2	3	4	5	6	7	8	9	10
North-Eastern									urban
tap	833	645	310	85	-	-	-	184	512
tubewell, hand pump	164	216	84	-	-	-	209	-	141
well	-	62	212	-	-	-	423	-	119
tank/pond reserved for drinking	-	41	79	324	-	-	-	-	52
other tank/pond	-	26	16	189	495	-	-	-	18
river/canal/lake	-	-	41	-	-	-	86	-	19
spring	-	-	190	138	505	-	-	-	89
tanker	-	1	46	265	-	-	-	-	24
other	2	8	6	-	-	-	-	106	8
n.r.	-	-	15	-	-	-	281	710	20
all	1000	1000	1000	1000	1000	-	1000	1000	1000
estd. no. of persons(00)	3075	5397	7595	124	9	-	66	274	16540
no. of sample persons	2244	2687	4936	102	14	-	44	148	10175
North-Western									urban
tap	970	714	966	831	336	-	-	-	943
tubewell, hand pump	30	280	25	-	-	-	-	-	54
well	-	6	-	-	-	-	-	-	1
tank/pond reserved for drinking	-	-	2	-	-	-	-	-	0
other tank/pond	-	-	3	-	-	-	-	-	1
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	3	169	664	1000	-	-	2
tanker	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	-	-	1000
estd. no. of persons(00)	82933	11361	18586	369	93	3	-	-	113345
no. of sample persons	6643	1289	1241	44	14	3	-	-	9234
Southern									urban
tap	964	696	672	200	890	1000	-	-	832
tubewell, hand pump	36	71	10	93	76	-	-	-	40
well	-	214	285	615	15	-	-	-	115
tank/pond reserved for drinking	-	8	-	-	-	-	-	-	2
other tank/pond	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-
tanker	-	12	28	92	19	-	-	-	10
other	-	-	5	-	-	-	-	-	1
n.r.	-	-	-	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000	-	-	1000
estd. no. of persons(00)	5097	2392	2251	35	490	28	-	-	10293
no. of sample persons	1545	951	1024	49	62	3	-	-	3634

Table 4: Per 1000 distribution by principal source of drinking water of persons residing at specific distances from their principal source

source of drinking water	per 1000 no. of persons using the source as principal source of drinking water (PSDW) among persons with PSDW located								
	within dwell-ing	outside dwelling but within pre-mises	outside premises at distance						all
			< 0.2 km	0.2 - 0.5 km	0.5- 1 km	1 - 1.6 km	> 1.6 km	n. r.	
1	2	3	4	5	6	7	8	9	10
India									**rural**
tap	289	187	160	75	52	16	14	133	174
tubewell, hand pump	709	505	501	426	301	93	118	337	516
well	-	285	291	327	430	158	517	-	257
tank/pond reserved for drinking	-	6	14	23	38	63	131	-	12
other tank/pond	-	10	5	10	7	3	60	-	6
river/canal/lake	-	-	12	64	97	22	83	-	12
spring	-	-	12	67	61	643	29	-	16
tanker	-	2	3	0	1	-	18	-	2
other	2	1	2	8	12	4	27	-	2
n.r.	0	3	1	1	0	-	2	531	1
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	863998	1424662	3941729	373172	99967	53325	36992	2018	6795862
no. of sample persons	48741	89679	231934	21049	5671	1304	2233	288	400899
India									**urban**
tap	813	642	588	489	259	363	160	550	688
tubewell, hand pump	183	235	270	228	414	269	477	52	226
well	-	121	108	156	161	71	18	-	68
tank/pond reserved for drinking	-	1	2	18	62	-	155	-	2
other tank/pond	-	0	2	12	12	18	-	-	1
river/canal/lake	-	-	3	25	80	-	4	-	2
spring	-	-	2	2	4	0	-	-	1
tanker	-	1	23	54	2	216	157	-	9
other	1	0	2	15	5	63	18	27	1
n.r.	3	-	0	-	-	-	12	372	2
all	1000	1000	1000	1000	1000	1000	1000	1000	1000
estd. no. of persons(00)	890349	554885	687605	35334	16252	6445	1517	1066	2193454
no. of sample persons	55745	36223	49564	2443	1007	267	122	213	145584

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no. of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
																	rural
tap																	
Andhra Pradesh	1	-	-	-	1	-	3	12	101	87	40	8	747	-	1000	31234	1421
Assam	-	-	-	-	-	-	4	-	55	-	20	-	921	-	1000	2554	231
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	995	57
Gujarat	22	-	-	-	-	-	6	2	41	46	4	1	878	-	1000	25368	1359
Haryana	28	-	-	-	-	10	27	12	78	72	15	-	759	-	1000	7892	380
Karnataka	10	-	-	-	-	-	6	7	105	61	12	-	799	-	1000	18523	787
Kerala	29	-	-	5	-	-	3	23	110	70	35	4	721	-	1000	4808	318
Madhya Pradesh	-	-	2	-	-	-	-	-	53	72	95	-	779	-	1000	5335	298
Maharashtra	6	0	-	6	2	1	4	12	141	129	29	3	667	-	1000	45707	2215
Orissa	-	-	-	-	-	-	-	-	81	12	3	-	904	-	1000	1813	78
Punjab	-	-	-	4	-	-	1	-	8	99	20	-	869	-	1000	4140	351
Rajasthan	1	-	-	-	1	4	-	2	24	13	25	8	923	-	1000	11989	727
Tamil Nadu	3	-	0	-	-	-	6	11	44	88	31	-	817	-	1000	48137	2627
Uttar Pradesh	1	-	1	1	-	-	-	22	5	44	86	3	838	-	1000	20188	876
West Bengal	-	-	-	-	-	-	15	19	57	4	11	6	887	-	1000	4580	219
North-Eastern	2	-	-	-	1	1	18	21	23	17	11	-	906	-	1000	4424	1751
North-Western	9	-	1	0	-	5	11	10	46	118	80	5	715	-	1000	12233	2262
Southern	2	-	-	-	-	-	-	6	10	97	56	24	805	-	1000	1914	592
India	7	0	0	1	0	1	5	10	70	78	34	3	789	-	1000	251833	16549

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 months	10 months	9 months	8 months	7 months	6 months	5 months	4 months	3 months	2 months	1 month	no month	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
tubewell, hand pump																	**rural**
Andhra Pradesh	1	-	-	-	-	1	1	13	63	51	49	0	820	-	1000	55943	2703
Assam	1	-	-	-	-	0	2	2	9	17	4	0	965	-	1000	17395	1541
Bihar	1	-	-	-	-	-	0	1	2	5	12	1	978	-	1000	105481	5179
Gujarat	-	-	-	-	-	-	2	3	21	34	18	-	922	-	1000	17283	966
Haryana	57	-	-	-	-	-	-	11	40	63	4	-	825	-	1000	12656	605
Karnataka	4	-	-	-	-	0	7	13	40	53	5	1	878	-	1000	37585	1747
Kerala	-	-	-	-	-	-	-	31	33	35	56	-	845	-	1000	619	43
Madhya Pradesh	-	-	0	0	-	0	1	3	20	39	37	-	899	-	1000	56061	3053
Maharashtra	-	-	0	-	-	-	5	15	65	48	26	2	839	-	1000	27171	1301
Orissa	4	-	-	-	-	-	0	0	12	30	24	0	929	-	1000	33738	1860
Punjab	-	-	-	-	-	-	-	-	-	13	6	-	981	-	1000	23145	2126
Rajasthan	11	-	-	-	-	-	-	-	11	13	25	-	939	-	1000	22590	1243
Tamil Nadu	1	-	-	-	1	-	1	5	36	71	35	1	850	-	1000	29938	1669
Uttar Pradesh	1	-	-	-	0	0	-	1	2	10	15	2	969	-	1000	146096	6711
West Bengal	1	-	-	0	-	-	0	1	4	19	18	1	956	-	1000	83596	4014
North-Eastern	-	-	-	-	-	1	3	3	25	12	6	2	948	-	1000	2899	722
North-Western	-	-	-	-	-	-	-	24	14	11	-	2	948	-	1000	2952	439
Southern	-	-	-	-	-	-	-	-	-	51	7	-	942	-	1000	194	33
India	2	-	0	0	0	0	1	4	17	26	20	1	928	-	1000	675343	35955

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
state	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
																	rural
well																	
Andhra Pradesh	1	-	-	1	-	0	1	8	69	121	71	8	720	-	1000	24591	1216
Assam	-	-	-	-	-	-	1	3	42	34	21	5	893	-	1000	9752	970
Bihar	-	-	-	-	-	-	-	3	10	52	89	2	843	-	1000	41803	2125
Gujarat	-	-	-	-	3	-	4	15	39	95	8	-	836	-	1000	8781	450
Haryana	46	-	-	-	-	-	-	-	9	37	-	-	908	-	1000	4840	237
Karnataka	0	-	-	-	-	-	2	2	32	137	71	10	745	-	1000	10895	494
Kerala	0	-	-	1	-	2	10	18	46	105	95	31	691	-	1000	38656	2473
Madhya Pradesh	-	-	-	-	-	-	0	2	14	57	76	1	850	-	1000	42394	2263
Maharashtra	-	-	-	-	2	3	2	6	67	66	64	1	790	-	1000	33165	1580
Orissa	-	-	-	1	-	-	2	1	35	170	69	1	722	-	1000	21414	1141
Punjab	-	-	-	-	-	-	-	-	34	32	-	-	934	-	1000	648	53
Rajasthan	2	-	-	-	-	-	-	-	9	7	35	-	947	-	1000	20552	1123
Tamil Nadu	-	-	-	-	-	16	20	36	29	55	10	-	834	-	1000	13708	748
Uttar Pradesh	1	-	-	-	1	-	-	1	6	25	34	2	931	-	1000	50942	2238
West Bengal	-	-	-	-	-	-	-	-	23	41	59	5	872	-	1000	20110	965
North-Eastern	-	-	-	-	3	0	3	7	40	20	7	3	917	-	1000	3031	959
North-Western	-	-	-	-	-	-	-	-	7	41	35	5	911	-	1000	1866	350
Southern	-	-	-	-	-	-	-	1	8	57	19	15	900	-	1000	778	346
India	1	-	-	0	0	1	2	6	29	68	60	6	827	-	1000	347926	19731

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no. of hhs	
	all 12 months	11 mon-hs	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
tank, pond reserved for drinking																	
																	rural
Andhra Pradesh	-	-	-	-	13	-	37	5	20	133	71	47	676	-	1000	3105	151
Assam	-	-	-	-	-	-	-	113	5	-	-	-	883	-	1000	753	74
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	54	2
Gujarat	-	-	-	-	-	-	98	-	56	17	116	-	713	-	1000	1385	84
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	21	68	-	911	-	1000	1316	57
Kerala	-	-	-	-	-	-	-	102	80	30	32	-	756	-	1000	662	35
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	21	2
Maharashtra	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	61	2
Orissa	-	-	-	-	-	-	-	-	-	76	364	-	559	-	1000	863	44
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	10	180	70	106	69	-	565	-	1000	3778	215
Tamil Nadu	-	-	-	-	7	-	50	103	149	200	15	-	476	-	1000	2348	148
Uttar Pradesh	-	-	-	-	-	-	-	-	-	22	12	-	966	-	1000	1031	60
West Bengal	-	-	-	-	-	-	-	-	-	66	-	-	934	-	1000	959	46
North-Eastern	-	-	-	-	-	-	-	-	4	94	-	-	902	-	1000	740	319
North-Western	-	-	-	-	-	-	-	-	-	125	67	-	808	-	1000	109	22
Southern	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	5	3
India	-	-	-	-	3	-	24	63	47	93	65	8	696	-	1000	17190	1264

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no. of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
other tank, pond																	**rural**
Andhra Pradesh	-	-	-	-	-	-	-	-	76	-	-	-	924	-	1000	310	17
Assam	-	-	-	-	-	-	-	18	16	40	32	-	893	-	1000	2427	231
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	124	6
Gujarat	-	-	-	-	-	-	-	-	442	439	120	-	-	-	1000	9	6
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	83	-	917	-	1000	118	6
Kerala	-	-	-	-	-	-	-	290	61	119	-	-	530	-	1000	337	20
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	78	3
Maharashtra	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	17	1
Orissa	-	-	-	-	-	-	-	20	-	175	1	-	805	-	1000	1359	66
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	270	13	-	716	-	1000	1444	87
Tamil Nadu	-	-	-	-	-	-	-	220	205	-	-	-	575	-	1000	528	34
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	263	15
West Bengal	-	-	-	-	-	-	-	-	-	107	-	-	893	-	1000	232	13
North-Eastern	-	-	-	-	-	-	5	23	5	141	-	-	825	-	1000	300	109
North-Western	-	-	-	-	-	-	25	-	38	165	13	-	759	-	1000	277	31
Southern	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	0	1
India	-	-	-	-	-	-	1	37	27	113	14	-	808	-	1000	7823	646

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no. of hhs	
	all 12 months	11 months	10 months	9 months	8 months	7 months	6 months	5 months	4 months	3 months	2 months	1 month	no month	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
river, canal ,lake																	**rural**
Andhra Pradesh	-	-	-	-	-	-	-	-	-	15	96	48	841	-	1000	2761	129
Assam	-	-	-	-	-	-	-	23	21	83	12	-	860	-	1000	1523	136
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	386	26
Gujarat	-	-	-	-	-	-	60	-	-	244	84	17	595	-	1000	406	21
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	24	37	4	-	935	-	1000	1154	57
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	31	2
Madhya Pradesh	-	-	-	-	-	-	-	-	-	201	113	-	687	-	1000	2069	102
Maharashtra	-	-	-	-	-	-	-	-	9	110	17	33	831	-	1000	2923	148
Orissa	-	-	-	-	-	-	-	-	30	178	53	-	739	-	1000	1725	93
Punjab	-	-	-	-	-	-	-	-	-	-	1000	-	-	-	1000	24	2
Rajasthan	-	-	-	-	-	-	-	43	56	-	9	-	892	-	1000	1660	77
Tamil Nadu	-	-	-	-	-	-	-	-	131	183	125	-	562	-	1000	813	52
Uttar Pradesh	-	-	-	-	-	-	-	-	160	-	-	-	840	-	1000	282	14
West Bengal	-	-	-	-	-	-	-	-	-	78	-	-	922	-	1000	230	10
North-Eastern	-	-	-	-	-	-	43	26	37	23	14	-	857	-	1000	514	270
North-Western	-	-	-	-	-	-	-	-	-	66	-	-	934	-	1000	889	159
Southern	-	-	-	-	-	-	-	-	245	-	134	613	7	-	1000	40	16
India	-	-	-	-	-	-	3	7	24	91	49	15	812	-	1000	17430	1314

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
spring																	**rural**
Andhra Pradesh	-	-	-	-	-	-	-	28	-	-	60	-	913	-	1000	527	44
Assam	-	-	-	-	-	-	-	-	-	202	560	-	238	-	1000	379	28
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	442	32
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	78	3
Kerala	-	-	-	-	-	-	-	-	-	244	138	-	618	-	1000	138	10
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	1364	71
Maharashtra	-	-	-	-	-	-	-	-	-	230	58	-	712	-	1000	1572	90
Orissa	-	-	-	-	-	-	-	-	62	231	-	-	707	-	1000	1434	60
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tamil Nadu	-	-	-	-	-	-	-	8	352	90	-	-	550	-	1000	239	16
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	5	-	995	-	1000	10870	73
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	221	12
North-Eastern	0	-	-	-	1	6	12	15	27	27	16	0	895	-	1000	3174	1949
North-Western	-	-	-	-	-	-	2	1	3	29	36	24	905	-	1000	2679	536
Southern	-	-	-	-	-	-	-	-	74	78	-	-	848	-	1000	67	15
India	0	-	-	-	0	1	2	3	12	43	24	3	913	-	1000	23184	2939

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
tanker																	**rural**
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	390	18
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	18	1
Gujarat	-	-	-	-	-	-	-	-	209	-	-	-	791	-	1000	1204	48
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	24	1
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh	-	-	-	-	-	-	-	-	263	-	-	-	737	-	1000	68	3
Maharashtra	-	-	-	-	-	-	-	85	678	-	-	-	238	-	1000	386	13
Orissa	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	262	16
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	95	4
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	610	30
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North-Eastern	-	-	-	-	-	1000	-	-	-	-	-	-	-	-	1000	1	1
North-Western	-	-	-	-	-	-	-	-	-	793	-	-	207	-	1000	103	5
Southern	-	-	-	-	-	-	-	-	857	143	-	-	-	-	1000	53	7
India	-	-	-	-	-	0	-	10	179	28	-	-	782	-	1000	3215	147

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
																	rural
other																	
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	324	18
Assam	-	-	-	-	-	-	-	-	-	45	38	-	917	-	1000	184	17
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	210	11
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	33	5
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	-	-	-	-	-	-	103	206	100	-	591	-	1000	161	10
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	40	2
Maharashtra	-	-	-	-	-	-	-	-	854	-	-	-	146	-	1000	164	6
Orissa	-	-	-	-	-	-	-	-	-	35	33	-	932	-	1000	803	41
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	15	1
Rajasthan	-	-	-	-	-	-	-	-	98	-	-	72	830	-	1000	269	25
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uttar Pradesh	-	-	-	-	-	-	-	-	-	166	77	-	757	-	1000	256	12
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	70	3
North-Eastern	-	-	-	-	-	-	-	22	4	58	-	-	917	-	1000	323	97
North-Western	-	-	-	-	-	-	80	160	480	-	156	-	124	-	1000	55	12
Southern	-	-	-	-	-	-	-	-	1000	-	-	-	-	-	1000	8	1
India	-	-	-	-	-	-	2	5	75	45	27	7	840	-	1000	2914	261

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
all																	**rural**
Andhra Pradesh	1	-	-	0	0	1	3	11	71	76	53	6	779	-	1000	119333	5721
Assam	0	-	-	-	-	0	2	7	22	27	18	1	922	0	1000	35114	3243
Bihar	1	-	-	-	-	-	0	2	4	18	34	1	940	0	1000	150028	7464
Gujarat	10	-	-	-	0	-	7	4	38	50	12	1	877	-	1000	54468	2939
Haryana	46	-	-	-	-	3	8	9	46	61	7	-	820	-	1000	25388	1222
Karnataka	5	-	-	-	-	0	6	9	55	67	18	2	838	-	1000	69692	3152
Kerala	3	-	-	1	-	1	9	22	54	100	87	27	696	-	1000	45411	2911
Madhya Pradesh	-	-	0	0	-	0	1	2	19	51	56	0	871	0	1000	107483	5802
Maharashtra	2	0	0	2	1	1	4	11	97	91	39	3	749	-	1000	111247	5359
Orissa	2	-	-	0	-	-	1	1	23	89	43	1	841	-	1000	63451	3401
Punjab	-	-	-	1	-	-	0	-	2	26	9	-	963	-	1000	27971	2533
Rajasthan	5	-	-	-	0	1	1	12	18	22	30	2	909	-	1000	62377	3501
Tamil Nadu	2	-	0	-	0	2	7	16	44	80	29	0	818	-	1000	96319	5324
Uttar Pradesh	1	-	0	0	0	0	-	3	3	16	25	2	950	0	1000	230008	10003
West Bengal	1	-	-	0	-	-	1	1	9	23	25	2	938	-	1000	110552	5312
North-Eastern	1	-	-	-	1	2	10	13	26	27	10	1	908	2	1000	15630	6273
North-Western	5	-	0	0	-	3	7	10	31	87	55	7	795	-	1000	21164	3816
Southern	1	-	-	-	-	-	-	4	31	83	42	27	813	-	1000	3059	1014
India	3	0	0	0	0	1	3	6	31	49	34	3	870	0	1000	1348695	78990

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
tap																	**urban**
Andhra Pradesh	9	0	-	-	-	1	9	42	129	83	24	5	697	-	1000	33143	1826
Assam	-	-	-	-	-	-	-	-	10	9	20	-	961	-	1000	1900	208
Bihar	4	-	-	-	-	-	-	2	14	181	53	-	746	-	1000	8161	523
Gujarat	43	-	1	0	0	2	2	4	43	56	13	6	829	-	1000	20223	1582
Haryana	39	-	-	-	-	4	-	25	21	138	40	-	733	-	1000	8187	360
Karnataka	21	-	-	4	0	2	1	9	44	67	44	-	808	-	1000	21234	1300
Kerala	20	-	-	2	0	0	-	3	1	27	31	1	915	-	1000	5808	589
Madhya Pradesh	-	-	-	-	-	1	35	14	12	44	71	1	822	-	1000	24957	1469
Maharashtra	9	0	0	0	0	2	2	7	35	39	30	2	872	-	1000	63000	3528
Orissa	3	-	-	-	-	-	-	-	44	21	1	-	931	-	1000	3919	312
Punjab	0	-	-	-	1	2	4	1	10	8	17	0	956	-	1000	10614	872
Rajasthan	2	-	-	3	-	-	4	1	53	66	45	-	825	-	1000	16184	960
Tamil Nadu	10	0	3	-	0	0	1	12	50	57	9	1	857	-	1000	40119	2282
Uttar Pradesh	18	-	1	-	0	7	10	16	32	10	31	3	874	-	1000	25199	1260
West Bengal	3	1	-	-	-	-	11	1	10	7	6	-	961	-	1000	21867	1286
North-Eastern	0	-	-	-	-	18	40	34	13	50	3	4	836	-	1000	1868	1116
North-Western	1	-	2	1	30	-	21	7	61	80	66	2	731	-	1000	24990	1962
Southern	4	-	-	-	-	0	1	-	7	5	26	19	938	-	1000	2067	672
India	11	0	1	1	2	2	8	12	44	53	32	2	834	-	1000	333441	22107

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
tubewell, hand pump																	**urban**
Andhra Pradesh	-	-	-	-	-	-	8	4	56	35	83	7	807	-	1000	5648	280
Assam	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	1729	198
Bihar	-	-	-	-	-	-	-	4	-	2	18	2	974	-	1000	9948	598
Gujarat	2	-	-	-	-	-	-	-	55	222	1	-	720	-	1000	1611	106
Haryana	1	-	-	-	-	-	-	52	-	40	-	-	908	-	1000	1970	55
Karnataka	6	-	-	2	2	7	3	3	6	7	-	-	964	-	1000	2953	165
Kerala	-	-	-	-	-	-	-	-	-	-	90	-	910	-	1000	507	27
Madhya Pradesh	-	-	-	3	-	-	-	-	7	34	57	-	899	-	1000	4300	309
Maharashtra	-	-	-	-	-	-	5	118	44	15	17	8	793	-	1000	3608	192
Orissa	-	-	-	-	-	-	-	-	-	20	28	-	953	-	1000	3264	186
Punjab	-	-	-	-	-	-	-	-	-	4	79	-	917	-	1000	5852	421
Rajasthan	-	-	-	-	-	-	-	-	-	95	-	-	905	-	1000	1964	131
Tamil Nadu	-	-	-	-	9	-	2	-	7	33	13	2	934	-	1000	10155	504
Uttar Pradesh	1	-	1	-	-	0	1	0	8	5	9	0	975	-	1000	31071	1401
West Bengal	3	-	-	-	-	-	-	1	2	1	3	-	991	-	1000	14906	788
North-Eastern	-	-	-	-	-	-	-	19	22	189	-	5	765	-	1000	526	236
North-Western	-	-	-	-	-	-	-	-	49	193	55	-	703	-	1000	1431	144
Southern	2	-	-	-	-	-	-	-	-	-	-	-	998	-	1000	141	58
India	1	-	0	0	1	0	1	6	10	20	21	1	938	-	1000	101583	5799

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
																	urban
well																	
Andhra Pradesh	-	-	-	-	-	-	-	11	10	78	11	4	887	-	1000	2944	124
Assam	-	-	-	-	-	-	-	-	-	7	-	-	993	-	1000	875	98
Bihar	-	-	-	-	-	-	-	-	-	110	314	29	548	-	1000	4404	137
Gujarat	-	-	-	-	-	-	-	151	-	-	-	-	849	-	1000	108	5
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	5	24	46	83	45	797	-	1000	1732	84
Kerala	3	-	-	-	-	-	3	5	20	58	109	12	789	-	1000	7995	672
Madhya Pradesh	-	-	-	-	-	-	-	-	28	63	10	-	899	-	1000	2981	220
Maharashtra	-	-	-	-	-	-	-	-	28	54	236	24	659	-	1000	1723	76
Orissa	-	-	-	-	-	-	-	-	27	185	18	-	770	-	1000	2643	117
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	13	1
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	82	13
Tamil Nadu	-	-	-	-	-	-	-	-	102	68	12	-	817	-	1000	1866	189
Uttar Pradesh	-	-	-	-	-	-	-	-	-	32	92	-	876	-	1000	2092	131
West Bengal	-	-	-	-	-	-	-	-	-	81	3	-	916	-	1000	1827	119
North-Eastern	-	-	-	-	-	-	23	37	22	90	28	-	800	-	1000	392	185
North-Western	-	-	-	-	-	-	-	-	-	-	720	-	280	-	1000	36	4
Southern	-	-	-	-	-	-	-	-	-	19	21	11	949	-	1000	222	106
India	1	-	-	-	-	-	1	4	20	76	100	11	789	-	1000	31933	2281

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 months	10 months	9 months	8 months	7 months	6 months	5 months	4 months	3 months	2 months	1 month	no month	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
tank, pond reserved for drinking																	**urban**
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	-	-	-	-	-	168	-	-	-	-	832	-	1000	248	12
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	89	4
Maharashtra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orissa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	1	1
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	211	14
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	232	3
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North-Eastern	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North-Western	-	-	-	-	-	-	-	7	37	-	-	-	956	-	1000	189	125
Southern	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	15	3
India	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	7	3
							-	43	7	-	-	-	950	-	1000	992	165

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
																	urban
other tank, pond																	
Andhra Pradesh	-	-	-	-	-	-	-	-	629	166	-	-	205	-	1000	236	7
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	-	-	-	-	-	-	-	-	-	84	-	-	916	-	1000	124	4
Orissa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	0	1
Rajasthan	-	-	-	-	-	-	-	-	-	761	-	-	239	-	1000	31	2
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	115	59	-	-	-	826	-	1000	52	62
North-Eastern	-	-	-	-	-	-	-	-	-	1000	-	-	-	-	1000	9	1
North-Western	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southern	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	13	335	181	-	-	470	-	1000	452	77

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
river , canal , lake																	
																	urban
Andhra Pradesh	-	-	-	-	-	-	-	-	496	300	-	-	204	-	1000	30	15
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	243	4
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	54	-	-	946	-	1000	74	4
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	28	3
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	116	4
Maharashtra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orissa	-	-	-	-	-	-	-	-	-	34	27	-	939	-	1000	118	13
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	1	1
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tamil Nadu	-	-	-	-	-	-	-	-	-	193	807	-	-	-	1000	123	2
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	271	23
North-Eastern	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	57	64
North-Western	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southern	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India							-	-	14	39	96	-	851	-	1000	1062	133

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
																	urban
spring																	
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	7	1
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	-	-	-	1000	-	-	-	-	-	-	-	-	1000	9	1
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orissa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	13	1
Uttar Pradesh	-	-	-	-	3	-	5	43	55	26	8	2	858	-	1000	314	302
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	39	10
North-Eastern	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North-Western	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southern	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	3	22	4	35	45	21	7	2	861	-	1000	382	315

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 months	10 months	9 months	8 months	7 months	6 months	5 months	4 months	3 months	2 months	1 month	no month	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
tanker																	**urban**
Andhra Pradesh	4	-	-	-	10	-	30	30	426	228	23	-	250	-	1000	2114	104
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	301	17
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	253	8
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	39	4
Orissa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	329	5
Tamil Nadu	6	-	-	-	-	-	-	-	17	41	9	-	927	-	1000	1477	140
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North-Eastern	-	-	-	-	-	-	942	-	13	-	-	-	45	-	1000	80	22
North-Western	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southern	-	-	-	-	-	-	-	-	-	33	-	-	967	-	1000	25	20
India	4	-	-	-	5	-	30	14	201	118	13	-	617	-	1000	4619	320

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 months	10 months	9 months	8 months	7 months	6 months	5 months	4 months	3 months	2 months	1 month	no month	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
																	urban
other																	
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haryana	799	63	-	-	-	-	-	-	-	-	-	-	138	-	1000	16	15
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	23	1
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	5	1
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	-	-	-	-	-	-	-	-	-	5	-	-	995	-	1000	126	5
Orissa	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	51	13
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	186	5
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	191	15
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	67	2
North-Eastern	-	-	-	-	-	141	7	386	24	-	-	-	441	-	1000	37	21
North-Western	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southern	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	1000	3	1
India	18	1	-	-	-	7	0	20	1	1	-	-	950	-	1000	706	79

Table 5: Per 1000 distribution of households with specific principal sources of drinking water by number of calendar months in which they experience insufficiency of drinking water from principal source

state	no. of households per 1000 reporting insufficiency of drinking water from principal source in															no.of hhs	
	all 12 months	11 mon-ths	10 mon-ths	9 mon-ths	8 mon-ths	7 mon-ths	6 mon-ths	5 mon-ths	4 mon-ths	3 mon-ths	2 mon-ths	1 mon-th	no mon-th	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
all																	**urban**
Andhra Pradesh	7	0	-	-	0	1	9	34	129	84	31	5	699	-	1000	44115	2356
Assam	-	-	-	-	-	-	-	-	4	5	8	-	982	-	1000	4504	504
Bihar	1	-	-	-	-	-	-	2	5	86	86	6	811	2	1000	23100	1283
Gujarat	40	-	1	0	0	2	2	4	43	67	12	6	823	-	1000	22196	1701
Haryana	33	0	-	-	-	3	-	30	17	119	32	-	766	-	1000	10172	430
Karnataka	18	-	-	3	0	3	1	10	38	58	41	3	825	-	1000	26262	1566
Kerala	9	-	-	1	0	0	2	4	11	43	76	7	846	-	1000	14431	1296
Madhya Pradesh	-	-	-	0	-	0	27	11	13	44	62	1	842	0	1000	32817	2010
Maharashtra	9	0	0	0	0	2	2	12	35	38	35	3	863	-	1000	68505	3806
Orissa	1	-	-	-	-	-	-	-	24	64	14	-	896	-	1000	10120	646
Punjab	0	-	-	-	1	2	2	1	7	6	39	0	943	-	1000	16480	1295
Rajasthan	2	-	-	2	-	-	3	1	45	67	39	-	841	-	1000	18957	1129
Tamil Nadu	7	0	2	-	2	0	1	9	42	53	11	1	871	-	1000	54195	3138
Uttar Pradesh	8	-	1	-	0	3	5	7	18	8	21	1	927	-	1000	58362	2792
West Bengal	3	0	-	-	-	-	6	1	6	8	5	-	971	-	1000	39025	2222
North-Eastern	0	-	-	-	0	11	46	34	23	66	5	3	807	3	1000	3578	2165
North-Western	1	-	2	1	28	-	19	6	60	86	66	2	729	-	1000	26520	2124
Southern	3	-	-	-	-	0	1	-	6	6	24	17	943	-	1000	2465	860
India	8	0	0	0	2	1	6	10	37	48	34	2	851	0	1000	475803	31323

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
														rural
tap														
Andhra Pradesh	5	14	103	191	251	216	57	6	3	2	2	3	31234	1421
Assam	5	66	68	71	59	-	-	-	-	-	9	4	2554	231
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	995	57
Gujarat	28	28	64	111	121	100	52	27	22	23	23	23	25368	1359
Haryana	31	35	33	98	239	239	216	139	60	33	31	31	7892	380
Karnataka	12	36	102	200	198	162	54	18	10	10	10	10	18523	787
Kerala	50	172	229	275	269	49	38	34	34	34	34	34	4808	318
Madhya Pradesh	2	2	22	101	219	215	47	19	2	2	2	2	5335	298
Maharashtra	17	34	188	290	325	253	61	17	15	14	13	15	45707	2215
Orissa	-	-	81	96	96	93	-	-	-	-	-	-	1813	78
Punjab	1	-	10	44	116	122	85	6	7	4	5	7	4140	351
Rajasthan	1	1	4	39	69	75	35	6	8	5	4	4	11989	727
Tamil Nadu	5	7	43	130	171	155	68	30	11	5	5	5	48137	2627
Uttar Pradesh	7	26	21	53	148	155	25	9	3	3	6	10	20188	876
West Bengal	19	25	100	109	99	87	19	-	-	-	-	-	4580	219
North-Eastern	58	61	64	48	33	13	3	3	2	23	53	57	4424	1751
North-Western	29	15	23	127	244	260	119	43	24	23	24	34	12233	2262
Southern	7	16	70	158	185	51	10	7	2	2	2	6	1914	592
India	14	24	83	156	201	171	60	22	13	11	11	12	251833	16549

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs	no.of sample
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	(00)	households
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
tubewell, handpump														rural
Andhra Pradesh	4	27	80	128	174	134	30	7	3	2	1	3	55943	2703
Assam	24	33	34	9	2	2	2	1	1	3	5	14	17395	1541
Bihar	1	1	2	8	21	21	6	2	1	1	1	1	105481	5179
Gujarat	1	1	9	53	76	69	27	11	3	1	-	-	17283	966
Haryana	58	61	59	94	167	173	169	82	58	57	57	58	12656	605
Karnataka	13	25	91	118	119	80	6	4	4	4	4	13	37585	1747
Kerala	31	64	64	136	155	54	-	-	-	-	-	-	619	43
Madhya Pradesh	2	6	21	59	100	100	10	1	1	1	1	1	56061	3053
Maharashtra	7	14	84	133	161	141	24	0	0	0	0	0	27171	1301
Orissa	4	4	15	47	66	61	7	7	6	6	5	5	33738	1860
Punjab	0	0	-	1	13	18	18	1	-	-	-	-	23145	2126
Rajasthan	11	11	12	31	60	61	27	11	11	11	11	11	22590	1243
Tamil Nadu	5	5	14	93	134	116	56	27	6	3	6	7	29938	1669
Uttar Pradesh	2	2	3	7	26	28	8	3	2	1	1	2	146096	6711
West Bengal	2	5	21	32	36	20	5	3	1	1	1	1	83596	4014
North-Eastern	37	39	19	16	7	5	5	6	4	4	21	30	2899	722
North-Western	8	-	14	41	50	27	-	24	24	24	-	-	2952	439
Southern	-	-	-	51	58	58	-	-	-	-	-	-	194	33
India	5	9	24	45	66	57	16	6	3	3	3	4	675343	35955

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
														rural
well														
Andhra Pradesh	2	2	74	184	269	236	52	18	5	5	5	2	24591	1216
Assam	72	87	94	33	4	1	-	-	-	-	7	45	9752	970
Bihar	-	-	2	42	147	153	35	13	2	-	-	-	41803	2125
Gujarat	5	3	19	118	137	134	62	33	30	26	4	4	8781	450
Haryana	46	46	46	46	92	92	92	55	46	46	46	46	4840	237
Karnataka	2	4	45	193	251	222	0	0	0	0	0	0	10895	494
Kerala	19	50	150	268	291	81	20	3	3	3	3	7	38656	2473
Madhya Pradesh	-	-	7	68	150	147	19	0	-	0	1	0	42394	2263
Maharashtra	7	21	71	176	209	147	33	2	1	0	-	2	33165	1580
Orissa	1	2	47	223	275	229	24	2	2	1	1	2	21414	1141
Punjab	-	-	-	66	66	66	34	-	-	-	-	-	648	53
Rajasthan	2	2	3	15	51	53	16	2	2	2	2	2	20552	1123
Tamil Nadu	1	-	32	99	141	163	126	93	57	-	-	1	13708	748
Uttar Pradesh	3	3	3	21	62	62	27	3	3	2	2	2	50942	2238
West Bengal	-	9	67	102	89	50	18	-	1	1	-	-	20110	965
North-Eastern	32	47	60	56	32	30	2	4	3	8	18	21	3031	959
North-Western	-	-	4	32	77	83	30	4	-	-	-	-	1866	350
Southern	1	5	33	85	100	32	4	-	-	-	-	0	778	346
India	7	13	44	112	161	124	31	9	5	3	2	4	347926	19731

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
tank, pond reserved for drinking														
														rural
Andhra Pradesh	50	50	83	84	277	225	131	52	11	11	22	16	3105	151
Assam	117	117	117	117	-	-	-	-	-	-	-	113	753	74
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	54	2
Gujarat	-	-	11	149	287	287	142	120	98	-	-	-	1385	84
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	21	89	89	-	-	-	-	-	-	1316	57
Kerala	102	184	184	244	241	27	-	-	-	-	-	-	662	35
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	21	2
Maharashtra	-	-	-	-	-	-	-	-	-	-	-	-	61	2
Orissa	-	-	-	76	418	418	23	23	-	-	-	-	863	44
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	87	260	364	431	435	107	6	5	5	-	-	3778	215
Tamil Nadu	-	-	69	248	363	410	287	289	290	108	17	17	2348	148
Uttar Pradesh	-	-	-	34	34	22	-	-	-	-	-	-	1031	60
West Bengal	-	-	66	66	66	-	-	-	-	-	-	-	959	46
North-Eastern	2	96	96	94	-	2	2	2	2	-	-	2	740	319
North-Western	67	-	-	-	125	125	125	-	-	-	-	67	109	22
Southern	-	-	-	-	-	-	-	-	-	-	-	-	5	3
India	19	44	102	171	261	246	100	61	51	18	6	11	17190	1264

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
														rural
other tank, pond														
Andhra Pradesh	-	-	76	76	76	76	-	-	-	-	-	-	310	17
Assam	79	91	87	30	4	4	4	-	-	7	7	27	2427	231
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	124	6
Gujarat	-	-	-	-	1000	1000	880	442	-	-	-	-	9	6
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	83	83	-	-	-	-	-	-	118	6
Kerala	290	290	470	470	470	61	-	-	-	-	-	-	337	20
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	78	3
Maharashtra	-	-	-	-	-	-	-	-	-	-	-	-	17	1
Orissa	-	-	57	180	195	158	34	-	-	-	-	-	1359	66
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	18	275	284	252	9	-	-	-	-	1444	87
Tamil Nadu	-	-	207	352	425	425	255	218	37	-	-	-	528	34
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	263	15
West Bengal	-	107	107	107	-	-	-	-	-	-	-	-	232	13
North-Eastern	41	41	170	163	161	-	-	-	-	-	-	18	300	109
North-Western	-	-	-	47	203	216	205	76	-	25	25	25	277	31
Southern	-	-	-	-	-	-	-	-	-	-	-	-	0	1
India	39	45	84	102	154	125	79	20	3	3	3	10	7823	646

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
river, canal, lake														rural
Andhra Pradesh	-	-	-	2	151	119	13	-	-	-	-	-	2761	129
Assam	15	102	102	89	15	23	38	38	30	23	-	-	1523	136
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	386	26
Gujarat	60	60	60	60	94	321	329	295	-	-	-	-	406	21
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	23	23	33	65	32	32	1	-	-	6	1154	57
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	31	2
Madhya Pradesh	-	-	-	204	313	294	16	-	-	-	-	-	2069	102
Maharashtra	-	-	107	119	169	29	9	-	-	-	-	-	2923	148
Orissa	-	10	49	68	131	217	140	130	15	-	-	-	1725	93
Punjab	-	-	-	-	-	1000	1000	-	-	-	-	-	24	2
Rajasthan	-	-	43	99	108	108	99	-	-	-	-	-	1660	77
Tamil Nadu	-	-	131	392	438	314	47	-	-	-	-	-	813	52
Uttar Pradesh	-	-	-	-	-	160	160	160	160	-	-	-	282	14
West Bengal	-	-	78	78	78	-	-	-	-	-	-	-	230	10
North-Eastern	108	116	102	78	6	17	19	8	8	-	81	91	514	270
North-Western	66	66	-	-	-	-	-	-	-	-	-	66	889	159
Southern	-	245	245	380	993	-	-	-	-	-	-	-	40	16
India	9	19	49	94	142	123	49	28	7	2	2	6	17430	1314

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
														rural
spring														
Andhra Pradesh	28	-	-	-	60	60	-	-	28	28	28	28	527	44
Assam	762	762	126	-	-	-	-	-	-	-	-	76	379	28
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	442	32
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	78	3
Kerala	-	-	138	382	382	106	-	-	-	-	-	-	138	10
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	1364	71
Maharashtra	-	-	187	203	288	85	43	-	-	-	-	-	1572	90
Orissa	-	-	62	293	293	293	-	-	-	-	-	-	1434	60
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tamil Nadu	-	-	-	-	117	360	450	450	333	8	-	-	239	16
Uttar Pradesh	-	-	-	-	5	5	-	-	-	-	-	-	10870	73
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	221	12
North-Eastern	66	73	84	70	36	12	3	1	1	3	23	44	3174	1949
North-Western	2	-	-	7	63	93	35	5	2	-	2	3	2679	536
Southern	-	74	152	152	152	-	-	-	-	-	-	-	67	15
India	22	23	31	45	57	44	12	5	4	1	4	8	23184	2939

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
tanker														rural
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	390	18
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	18	1
Gujarat	-	-	-	-	-	-	209	209	209	209	-	-	1204	48
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	24	1
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh	-	-	263	263	263	263	-	-	-	-	-	-	68	3
Maharashtra	-	-	-	-	-	-	-	762	762	762	762	85	386	13
Orissa	-	-	-	-	-	-	-	-	-	-	-	-	262	16
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	95	14
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	-	610	30
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North-Eastern	1000	1000	1000	1000	1000	1000	-	-	-	-	-	1000	1	1
North-Western	-	-	196	793	793	598	-	-	-	-	-	-	103	5
Southern	-	-	-	1000	1000	1000	857	-	-	-	-	-	53	7
India	0	0	12	48	48	42	92	170	170	170	92	10	3215	147

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
														rural
other														
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	324	18
Assam	38	83	45	45	-	-	-	-	-	-	-	-	184	17
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	210	11
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	33	5
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	103	409	409	308	-	-	-	-	-	-	161	10
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	40	2
Maharashtra	-	-	-	854	854	854	854	-	-	-	-	-	164	6
Orissa	-	-	-	7	68	68	28	-	-	-	-	-	803	41
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	15	1
Rajasthan	-	-	98	98	98	170	-	-	-	-	-	-	269	25
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uttar Pradesh	-	-	-	77	243	166	166	-	-	-	-	-	256	12
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	70	3
North-Eastern	25	25	22	58	58	58	-	-	-	0	25	25	323	97
North-Western	719	719	160	-	156	156	-	-	-	160	719	719	55	12
Southern	-	-	-	1000	1000	1000	1000	-	-	-	-	-	8	1
India	19	22	23	100	132	126	73	-	-	3	16	16	2914	261

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
														urban
tap														
Andhra Pradesh	18	97	209	291	301	191	41	13	9	11	10	14	33143	1826
Assam	-	7	26	26	12	12	12	10	-	-	-	-	1900	208
Bihar	11	4	5	129	250	253	85	10	4	4	4	4	8161	523
Gujarat	46	48	69	136	169	155	91	59	45	45	45	45	20223	1582
Haryana	40	40	40	80	262	267	227	83	43	43	39	39	8187	360
Karnataka	32	57	117	178	186	95	29	26	25	25	25	28	21234	1300
Kerala	28	29	47	82	83	28	20	20	20	22	22	22	5808	589
Madhya Pradesh	0	0	52	105	177	172	60	39	3	-	1	-	24957	1469
Maharashtra	14	19	59	103	126	104	21	11	11	11	12	12	63000	3528
Orissa	3	3	67	69	69	48	3	3	3	3	3	3	3919	312
Punjab	1	1	7	9	28	39	36	23	6	1	1	1	10614	872
Rajasthan	5	7	9	88	172	172	101	7	6	5	5	5	16184	960
Tamil Nadu	10	27	44	100	141	125	59	45	13	13	13	13	40119	2282
Uttar Pradesh	18	18	33	81	123	125	88	58	29	19	19	21	25199	1260
West Bengal	12	12	17	25	38	38	15	11	6	4	4	4	21867	1286
North-Eastern	102	138	128	88	30	16	11	10	5	56	83	91	1868	1116
North-Western	27	28	77	122	235	239	131	61	59	35	6	30	24990	1962
Southern	4	4	14	42	58	13	4	4	4	4	6	7	2067	672
India	17	30	67	117	160	135	59	30	18	16	14	16	333441	22107

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state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
tubewell, hand pump														urban
Andhra Pradesh	0	8	29	141	193	135	63	-	-	-	-	-	5648	280
Assam	-	-	-	-	-	-	-	-	-	-	-	-	1729	198
Bihar	-	-	4	6	23	26	4	-	-	-	-	-	9948	598
Gujarat	24	24	82	259	259	234	2	2	2	2	2	24	1611	106
Haryana	2	2	2	52	90	90	90	52	1	1	1	1	1970	55
Karnataka	19	23	36	36	36	29	13	6	6	7	7	11	2953	165
Kerala	90	90	-	-	-	-	-	-	-	-	-	-	507	27
Madhya Pradesh	10	3	9	29	94	94	11	5	-	-	7	10	4300	309
Maharashtra	117	125	172	178	200	69	1	3	5	2	5	7	3608	192
Orissa	-	-	-	20	47	47	-	-	-	-	-	-	3264	186
Punjab	-	-	-	1	77	83	8	1	-	-	-	-	5852	421
Rajasthan	-	-	-	87	95	95	8	-	-	-	-	-	1964	131
Tamil Nadu	2	-	2	22	64	63	35	15	9	9	9	9	10155	504
Uttar Pradesh	2	2	1	11	24	24	12	3	2	2	2	2	31071	1401
West Bengal	3	3	3	5	9	9	5	3	3	3	3	3	14906	788
North-Eastern	26	196	196	186	5	-	5	22	27	34	42	15	526	236
North-Western	-	-	-	212	297	297	78	-	-	-	-	-	1431	144
Southern	2	2	2	2	2	2	2	2	2	2	2	2	141	58
India	7	9	13	35	58	50	16	5	3	2	3	3	101583	5799

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state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
														urban
well														
Andhra Pradesh	-	11	41	99	113	90	-	-	-	-	-	-	2944	124
Assam	7	7	7	-	-	-	-	-	-	-	-	-	875	98
Bihar	-	-	-	66	369	405	91	55	-	-	-	-	4404	137
Gujarat	-	151	151	151	151	151	-	-	-	-	-	-	108	5
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	5	29	75	158	203	-	-	-	-	-	-	1732	84
Kerala	13	19	107	194	166	44	3	3	3	3	3	5	7995	672
Madhya Pradesh	-	-	27	91	101	101	0	-	-	-	-	-	2981	220
Maharashtra	-	-	-	42	268	332	101	-	-	-	26	-	1723	76
Orissa	-	-	23	190	230	230	22	4	-	-	-	-	2643	117
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	13	1
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	82	13
Tamil Nadu	-	-	2	155	167	154	92	19	17	17	9	9	1866	189
Uttar Pradesh	-	-	-	-	124	124	32	-	-	-	-	-	2092	131
West Bengal	-	-	6	84	84	75	-	-	-	-	-	-	1827	119
North-Eastern	56	121	89	66	-	12	26	26	51	96	134	60	392	185
North-Western	-	-	-	-	720	720	-	-	-	-	-	-	36	4
Southern	-	-	7	30	51	21	-	-	-	-	-	-	222	106
India	4	8	39	113	179	156	28	10	2	3	4	2	31933	2281

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state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
tank, pond reserved for drinking														urban
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	168	168	168	168	168	-	-	-	-	-	-	248	12
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	89	4
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orissa	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	211	14
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	-	232	3
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North-Eastern	7	44	44	37	37	-	-	-	-	-	7	7	189	125
North-Western	-	-	-	-	-	-	-	-	-	-	-	-	15	3
Southern	-	-	-	-	-	-	-	-	-	-	-	-	7	3
India	1	50	50	49	49	42	-	-	-	-	1	1	992	165

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
														urban
other tank, pond														
Andhra Pradesh	-	-	-	629	795	795	629	166	-	-	-	-	236	7
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orissa	-	-	-	84	84	84	-	-	-	-	-	-	124	4
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	0	1
Tamil Nadu	-	-	-	761	761	761	-	-	-	-	-	-	31	2
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North-Eastern	156	174	149	104	83	-	-	-	-	24	49	70	52	62
North-Western	-	-	-	1000	1000	1000	-	-	-	-	-	-	9	1
Southern	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	18	20	17	435	519	510	328	87	-	3	6	8	452	77

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
river, canal, lake														urban
Andhra Pradesh	-	-	148	796	796	796	348	-	-	-	-	-	30	15
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	243	4
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	54	54	54	-	-	-	-	-	-	74	4
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	28	3
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	116	4
Maharashtra	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orissa	-	-	-	34	61	61	-	-	-	-	-	-	118	13
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tamil Nadu	-	-	-	193	1000	1000	-	-	-	-	-	-	123	2
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	271	23
North-Eastern	-	-	-	-	-	-	-	-	-	-	-	-	57	64
North-Western	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southern	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	4	53	149	149	10	-	-	-	-	-	1062	133

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
spring														urban
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	7	1
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	1000	1000	1000	1000	1000	1000	-	-	-	-	-	1000	9	1
Orissa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	13	1
North-Eastern	90	124	96	78	40	11	10	3	3	9	53	67	314	302
North-Western	-	-	-	-	-	-	-	-	-	-	-	-	39	10
Southern	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	96	124	101	87	56	32	8	3	3	8	43	77	382	315

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
tanker														urban
Andhra Pradesh	16	68	183	686	717	674	397	50	33	17	16	30	2114	104
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	301	17
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	253	8
Haryana	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	-	-	-	-	-	-	-	-	-	-	-	-	39	4
Orissa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	329	5
Tamil Nadu	6	6	6	69	73	64	27	6	6	6	6	6	1477	140
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North-Eastern	942	955	955	955	13	-	-	-	-	-	942	942	80	22
North-Western	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southern	33	33	33	-	-	-	-	-	-	-	-	-	25	20
India	26	50	102	352	352	329	190	25	17	10	25	32	4619	320

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
other														urban
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gujarat	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haryana	862	862	862	862	862	862	862	862	862	862	862	799	16	15
Karnataka	-	-	-	-	-	-	-	-	-	-	-	-	23	1
Kerala	-	-	-	-	-	-	-	-	-	-	-	-	5	1
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	-	-	-	5	5	5	-	-	-	-	-	-	126	5
Orissa	-	-	-	-	-	-	-	-	-	-	-	-	51	13
Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-	-	186	5
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	-	191	15
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-	67	2
North-Eastern	559	559	535	141	-	-	-	141	-	7	559	559	37	21
North-Western	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southern	-	-	-	-	-	-	-	-	-	-	-	-	3	1
India	49	49	48	28	21	21	20	27	20	20	49	48	706	79

Table 6: Per 1000 number of households with a specific principal source of drinking water reporting insufficient drinking water from principal source in specific months of the year

state	no. of households per 1000 reporting insufficient drinking water from principal source in												estd. no of hhs (00)	no.of sample households
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
all														urban
Andhra Pradesh	14	78	172	280	297	204	61	13	9	9	8	12	44115	2356
Assam	1	4	13	11	5	5	5	4	-	-	-	-	4504	504
Bihar	4	1	4	60	169	178	49	14	1	1	1	1	23100	1283
Gujarat	43	47	69	143	174	159	83	54	41	41	41	43	22196	1701
Haryana	34	34	34	76	229	234	201	78	36	36	33	33	10172	430
Karnataka	28	51	102	155	166	95	25	21	21	21	21	24	26262	1566
Kerala	22	25	78	140	125	36	9	9	9	10	10	12	14431	1296
Madhya Pradesh	2	1	43	92	156	153	47	30	2	-	1	1	32817	2010
Maharashtra	19	24	64	105	134	107	22	10	10	10	12	12	68505	3806
Orissa	1	1	32	84	104	96	7	2	1	1	1	1	10120	646
Punjab	0	0	4	6	45	54	26	15	4	1	1	0	16480	1295
Rajasthan	4	6	8	84	157	157	87	6	5	4	4	4	18957	1129
Tamil Nadu	8	20	33	86	127	114	54	37	12	12	12	12	54195	3138
Uttar Pradesh	9	9	15	41	71	71	45	27	14	9	9	10	58362	2792
West Bengal	8	8	11	20	29	28	10	7	5	4	3	3	39025	2222
North-Eastern	104	160	147	115	24	10	10	13	12	46	100	93	3578	2165
North-Western	25	26	72	127	239	242	128	58	55	33	6	28	26520	2124
Southern	4	4	13	38	54	13	3	3	3	3	5	6	2465	860
India	14	24	53	101	141	120	49	23	14	12	11	13	475803	31323

Table 7: Per 1000 distribution of households reporting insufficiency of drinking water from principal source for some part of the year by measures normally taken when water is insufficient

rural

state	no.of households per 1000 among those reporting insufficiency of drinking water from principal source for some part of the year who report								no. of hhs. report. insuff. DW from any principal source	
	no measures taken	water supplied by local authorities by vehicle	water supplied by charitable bodies	water obtained from neighbours	water purchase	other measures	n. r.	all	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11
Andhra Pradesh	363	27	8	125	20	458	-	1000	26432	1266
Assam	436	-	4	318	-	241	-	1000	2722	255
Bihar	189	-	-	486	-	326	-	1000	8905	484
Gujarat	107	102	7	276	3	505	-	1000	6698	387
Haryana	27	4	20	565	45	339	-	1000	4558	224
Karnataka	274	2	-	99	25	601	-	1000	11298	492
Kerala	60	41	1	686	10	202	-	1000	13806	866
Madhya Pradesh	142	6	2	210	5	635	-	1000	13896	717
Maharashtra	168	166	13	151	8	493	-	1000	27915	1417
Orissa	396	11	2	20	10	561	-	1000	10080	528
Punjab	91	-	-	308	-	602	-	1000	1042	90
Rajasthan	137	7	4	53	147	652	-	1000	5664	311
Tamil Nadu	321	24	6	188	29	433	-	1000	17510	989
Uttar Pradesh	239	7	10	443	7	293	-	1000	11509	524
West Bengal	356	77	9	272	4	282	-	1000	6864	354
North-Eastern	405	16	10	50	6	513	-	1000	1406	855
North-Western	322	46	7	81	1	543	-	1000	4332	826
Southern	195	151	-	151	-	503	-	1000	572	176
India	**238**	**47**	**7**	**241**	**17**	**451**	**-**	**1000**	**175210**	**10761**

Table 7: Per 1000 distribution of households reporting insufficiency of drinking water from principal source for some part of the year by measures normally taken when water is insufficient

urban

state	no.of households per 1000 among those reporting insufficiency of drinking water from principal source for some part of the year who report								no. of hhs report. insuff. DW from any principal source	
	no measures taken	water supplied by local authorities by vehicle	water supplied by charitable bodies	water obtained from neighbours	water purchase	other measures	n. r.	all	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11
Andhra Pradesh	269	133	3	111	73	410	-	1000	13276	724
Assam	-	-	-	321	-	679	-	1000	80	8
Bihar	107	8	-	463	9	413	-	1000	4319	164
Gujarat	60	35	3	397	32	474	-	1000	3929	287
Haryana	119	42	95	564	-	180	-	1000	2385	115
Karnataka	246	49	16	221	18	450	-	1000	4585	315
Kerala	28	160	5	607	12	188	-	1000	2224	222
Madhya Pradesh	68	35	9	83	0	805	-	1000	5167	434
Maharashtra	149	129	1	125	90	505	-	1000	9404	592
Orissa	446	1	-	61	166	326	-	1000	1051	63
Punjab	127	-	-	679	-	194	-	1000	946	86
Rajasthan	80	-	-	70	254	596	-	1000	3012	154
Tamil Nadu	158	96	4	329	117	296	-	1000	6996	510
Uttar Pradesh	93	19	4	315	4	564	-	1000	4231	291
West Bengal	262	166	-	219	70	283	-	1000	1129	82
North-Eastern	414	5	4	36	166	374	-	1000	678	340
North-Western	241	45	2	224	-	488	-	1000	7186	450
Southern	169	130	-	325	72	304	-	1000	140	66
India	172	75	7	238	58	451	-	1000	70738	4903

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is: tap	tube-well, hand pump	well	tank/pond reserv. for drinking	other tank/pond	river/canal/lake	spring	tanker	other	all	no. of hhs using any SS of DW: estd. (00)	sample	% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Andhra Pradesh																**rural**
tap	262	34.1	18	602	310	20	31	-	-	11	8	1000	10651	466	65.7	0.2
tubewell, hand pump	469	17.5	25	191	625	17	25	54	-	11	53	1000	9814	465	81.7	0.7
well	206	27.7	37	545	294	14	16	57	14	14	9	1000	6805	372	72.3	-
tank/pond reserved for drinking	26	34.7	85	235	292	22	-	130	-	169	67	1000	1076	52	65.3	-
other tank/pond	3	7.6	-	-	1000	-	-	-	-	-	-	1000	24	1	92.4	-
river/canal/lake	23	17.1	-	128	46	826	-	-	-	-	-	1000	472	23	82.2	0.7
spring	4	2.8	-	-	1000	-	-	-	-	-	-	1000	15	1	97.2	-
tanker	3	92.5	62	-	-	-	937	-	-	-	-	1000	360	16	7.5	-
other	3	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	24.6	27	423	404	30	35	36	3	17	25	1000	29326	1398	75.0	0.4
estd. no. of hhs. (00)	119333	29326	803	12391	11837	888	1027	1056	96	500	728	29326	-	-	89526	480
no. of sample hhs	5721	1398	43	586	573	40	43	49	5	25	34	1398	1398	1398	4294	29
Assam																**rural**
tap	73	49.4	-	205	109	117	367	202	-	-	-	1000	1261	100	43.6	7.0
tubewell, hand pump	495	11.8	46	146	174	25	234	285	88	-	2	1000	2049	188	87.8	0.4
well	278	17.2	6	126	107	12	240	465	44	-	-	1000	1676	157	82.6	0.2
tank/pond reserved for drinking	21	11.7	-	39	-	961	-	-	-	-	-	1000	88	10	88.3	-
other tank/pond	69	10.4	66	419	81	-	336	54	-	-	44	1000	253	25	89.0	0.6
river/canal/lake	43	21.5	29	176	274	31	-	-	490	-	-	1000	328	28	77.6	0.9
spring	11	78.1	-	583	-	-	-	417	-	-	-	1000	296	22	18.1	3.8
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	5	4.5	-	-	-	-	-	-	1000	-	-	1000	8	1	56.6	38.9
all	1000	17.0	22	185	131	52	241	295	71	-	3	1000	5981	534	81.8	1.1
estd. no. of hhs. (00)	35114	5981	131	1108	784	313	1444	1763	423	-	16	5981	-	-	28737	395
no. of sample hhs	3243	534	10	99	75	23	128	159	38	-	2	534	534	534	2667	42

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is: tap	tube-well, hand pump	well	tank/ pond reserv. for drinking	other tank/ pond	river/ canal/ lake	spring	tanker	other	all	no. of hhs using any SS of DW: estd. (00)	sample	% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Bihar																**rural**
tap	7	3.3	-	-	-	-	-	-	-	-	1000	1000	33	2	96.7	-
tubewell, hand pump	703	6.1	11	50	817	-	-	71	-	-	50	1000	6407	336	93.0	0.9
well	279	23.7	11	595	174	3	43	164	-	6	5	1000	9927	521	71.5	4.7
tank/pond reserved for drinking	0	100.0	-	-	1000	-	-	-	-	-	-	1000	54	2	-	-
other tank/pond	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
river/canal/lake	3	25.4	165	-	835	-	-	-	-	-	-	1000	98	6	74.6	-
spring	3	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
tanker	0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	11.1	12	376	430	2	25	127	-	4	24	1000	16610	871	86.9	2.0
estd. no. of hhs. (00)	150028	16610	196	6242	7147	27	422	2111	-	63	402	16610	-	-	130446	2972
no. of sample hhs	7464	871	11	335	376	1	19	106	-	4	19	871	871	871	6417	176
Gujrat																**rural**
tap	466	13.0	134	350	144	80	124	78	-	83	7	1000	3287	180	87.0	-
tubewell, hand pump	317	10.3	30	152	647	68	-	104	-	-	-	1000	1785	115	89.7	-
well	161	17.9	42	398	344	156	-	-	-	60	-	1000	1570	80	82.1	-
tank/pond reserved for drinking	25	28.7	-	-	886	-	-	-	-	114	-	1000	397	26	71.3	-
other tank/pond	0	100.0	-	-	880	-	-	-	-	-	120	1000	9	6	-	-
river/canal/lake	7	40.5	-	272	728	-	-	-	-	-	-	1000	164	10	59.5	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	22	20.9	-	62	-	-	938	-	-	-	-	1000	251	16	79.1	-
other	1	2.6	-	-	-	-	-	-	1000	-	-	1000	1	3	97.4	-
all	1000	13.7	75	282	355	84	86	59	0	55	3	1000	7465	436	86.3	-
estd. no. of hhs. (00)	54468	7465	559	2107	2648	627	644	443	1	413	23	7465	-	-	47003	-
no. of sample hhs	2939	436	31	108	171	35	31	26	3	26	5	436	436	436	2503	-

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is										no. of hhs using any SS of DW		% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
			tap	tubewell, hand pump	well	tank/ pond reserv. for drinking	other tank/ pond	river/ canal/ lake	spring	tanker	other	all	estd. (00)	sample		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
																rural
Haryana																
tap	311	35.8	9	515	444	-	-	-	32	-	-	1000	2828	144	63.9	0.3
tubewell, hand pump	499	34.4	504	325	171	-	-	0	-	-	-	1000	4352	199	65.4	0.2
well	191	34.2	392	586	19	-	-	-	-	-	3	1000	1654	75	64.9	1.0
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
all	1000	34.8	325	435	230	-	-	0	10	-	0	1000	8833	418	64.8	0.4
estd. no. of hhs. (00)	25388	8833	2868	3839	2030	-	-	0	91	-	4	8833	-	-	16459	96
no. of sample hhs	1222	418	132	172	108	-	-	1	4	-	1	418	418	418	800	4
																rural
Karnataka																
tap	266	37.1	17	850	91	4	1	37	-	-	-	1000	6877	296	62.9	-
tubewell, hand pump	539	16.0	86	169	601	5	6	133	-	-	-	1000	6017	275	84.0	-
well	156	29.6	26	658	241	16	32	19	-	8	-	1000	3229	140	70.4	-
tank/pond reserved for drinking	19	8.9	-	255	-	537	208	-	-	-	-	1000	118	5	91.1	-
other tank/pond	2	8.3	-	1000	-	-	-	-	-	-	-	1000	10	1	91.7	-
river/canal/lake	17	6.5	-	650	350	-	-	-	-	-	-	1000	75	7	93.5	-
spring	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
tanker	0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
all	1000	23.4	44	556	309	11	10	68	-	2	-	1000	16326	724	76.6	-
estd. no. of hhs. (00)	69692	16326	720	9079	5048	172	167	1115	-	25	-	16326	-	-	53366	-
no. of sample hhs	3152	724	31	399	220	9	11	53	-	1	-	724	724	724	2428	-

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is: tap	tube-well, hand pump	well	tank/pond reserv. for drinking	other tank/pond	river/canal/lake	spring	tanker	other	all	no. of hhs using any SS of DW: estd. (00)	sample	% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Kerala																rural
tap	106	41.6	42	50	810	74	15	-	9	-	-	1000	1998	132	58.4	-
tubewell, hand pump	14	12.0	-	-	1000	-	-	-	-	-	-	1000	74	5	88.0	-
well	851	19.5	190	66	632	21	38	20	6	24	2	1000	7522	481	80.5	-
tank/pond reserved for drinking	15	21.7	181	-	670	-	148	-	-	-	-	1000	144	7	78.3	-
other tank/pond	7	52.1	-	98	346	-	-	556	-	-	-	1000	176	11	47.9	-
river/canal/lake	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
spring	3	38.2	-	-	722	-	-	-	-	-	278	1000	53	3	61.8	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	4	40.9	-	-	749	-	-	251	-	-	-	1000	66	4	59.1	-
all	1000	22.1	153	61	667	31	34	27	6	18	3	1000	10032	643	77.9	-
estd. no. of hhs. (00)	45411	10032	1536	617	6691	309	338	267	65	179	31	10032	-	-	35379	-
no. of sample hhs	2911	643	101	44	425	17	20	17	4	13	2	643	643	643	2268	-
Madhya Pradesh																rural
tap	50	23.7	-	382	618	-	-	-	-	-	-	1000	1266	66	73.4	2.9
tubewell, hand pump	522	14.6	31	59	680	-	23	121	77	-	7	1000	8184	427	85.1	0.3
well	394	20.0	74	563	267	-	9	42	44	-	-	1000	8494	432	79.4	0.5
tank/pond reserved for drinking	0	100.0	-	914	86	-	-	-	-	-	-	1000	21	2	-	-
other tank/pond	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
river/canal/lake	19	19.6	259	332	200	-	-	70	-	-	139	1000	406	18	73.9	6.4
spring	13	1.3	-	1000	-	-	-	-	-	-	-	1000	17	1	98.7	-
tanker	1	27.7	-	1000	-	-	-	-	-	-	-	1000	19	1	72.3	-
other	0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	17.1	54	323	473	-	15	75	55	-	6	1000	18408	947	82.2	0.7
estd. no. of hhs. (00)	107483	18408	993	5938	8704	-	269	1380	1008	-	116	18408	-	-	88352	723
no. of sample hhs	5802	947	39	314	452	-	12	80	45	-	5	947	947	947	4820	35

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is										no. of hhs using any SS of DW		% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
			tap	tubewell, hand pump	well	tank/pond reserv. for drinking	other tank/pond	river/canal/lake	spring	tanker	other	all	estd. (00)	sample		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
																rural
Maharashtra																
tap	411	36.4	7	321	615	-	7	15	18	18	-	1000	16645	836	63.6	0.0
tubewell, hand pump	244	17.3	39	0	670	-	6	42	-	230	14	1000	4711	245	82.6	0.1
well	298	17.2	43	445	148	-	7	69	37	245	7	1000	5694	279	82.8	0.1
tank/pond reserved for drinking	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other tank/pond	0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
river/canal/lake	26	11.9	-	1000	-	-	-	-	-	-	-	1000	347	18	88.1	-
spring	14	7.0	-	-	1000	-	-	-	-	-	-	1000	110	6	93.0	-
tanker	3	76.2	-	-	1000	-	-	-	-	-	-	1000	295	9	23.8	-
other	1	85.4	-	800	200	-	-	-	-	-	-	1000	140	5	14.6	-
all	1000	25.1	19	299	525	-	6	30	18	99	4	1000	27941	1398	74.8	0.0
estd. no. of hhs. (00)	111247	27941	541	8342	14661	-	180	834	502	2776	104	27941	-	-	83266	40
no. of sample hhs	5359	1398	30	392	742	-	9	54	30	136	5	1398	1398	1398	3958	3
																rural
Orissa																
tap	29	66.4	18	407	65	-	172	339	-	-	-	1000	1205	49	33.6	-
tubewell, hand pump	532	28.2	27	87	445	115	98	189	18	1	18	1000	9528	494	71.6	0.2
well	337	36.8	12	654	132	11	51	58	43	-	39	1000	7871	436	63.1	0.1
tank/pond reserved for drinking	14	62.6	-	831	169	-	-	-	-	-	-	1000	540	27	37.4	-
other tank/pond	21	46.1	-	484	432	-	41	-	43	-	-	1000	626	31	53.9	-
river/canal/lake	27	70.0	207	640	151	-	-	-	-	-	2	1000	1208	64	30.0	-
spring	23	23.5	-	917	83	-	-	-	-	-	-	1000	337	12	76.5	-
tanker	4	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other	13	13.2	-	248	-	-	159	-	487	-	106	1000	106	9	86.8	-
all	1000	33.8	29	389	277	55	74	125	28	1	23	1000	21419	1122	66.1	0.1
estd. no. of hhs. (00)	63451	21419	621	8331	5933	1179	1585	2669	594	13	494	21419	-	-	41943	89
no. of sample hhs	3401	1122	31	447	295	70	81	132	35	1	30	1122	1122	1122	2275	4

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is: tap	tubewell, hand pump	well	tank/pond reserv. for drinking	other tank/pond	river/canal/lake	spring	tanker	other	all	no. of hhs using any SS of DW: estd. (00)	sample	% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Punjab																rural
tap	148	29.7	24	930	7	-	39	-	-	-	-	1000	1230	110	70.3	-
tubewell, hand pump	827	6.5	696	274	15	7	-	1	-	-	9	1000	1515	140	93.4	0.0
well	23	5.1	372	628	-	-	-	-	-	-	-	1000	33	3	94.9	-
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	1	100.0	-	1000	-	-	-	-	-	-	-	1000	24	2	-	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	10.0	391	572	11	4	17	0	-	-	5	1000	2802	255	90.0	0.0
estd. no. of hhs. (00)	27971	2802	1096	1603	31	10	48	1	-	-	13	2802	-	-	25165	4
no. of sample hhs	2533	255	106	138	4	1	4	1	-	-	1	255	255	255	2277	1
Rajasthan																rural
tap	192	15.6	9	455	225	165	31	43	-	46	27	1000	1869	111	84.2	0.2
tubewell, hand pump	362	23.4	58	116	670	4	74	4	-	59	15	1000	5289	284	76.6	-
well	329	12.0	16	782	141	-	11	7	-	18	25	1000	2456	132	87.8	0.3
tank/pond reserved for drinking	61	48.2	11	16	205	183	256	132	-	188	9	1000	1823	101	51.8	-
other tank/pond	23	76.8	-	208	432	-	326	-	-	-	34	1000	1108	66	21.9	1.3
river/canal/lake	27	19.0	38	952	-	10	-	-	-	-	-	1000	315	21	81.0	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	2	32.7	-	-	-	-	-	1000	-	-	-	1000	31	1	67.3	-
other	4	23.1	-	-	-	-	423	-	-	577	-	1000	62	3	76.9	-
all	1000	20.8	31	305	398	52	103	30	-	63	19	1000	12954	719	79.1	0.2
estd. no. of hhs. (00)	62377	12954	399	3945	5159	668	1330	388	-	822	244	12954	-	-	49326	97
no. of sample hhs	3501	719	24	228	272	33	82	22	-	44	14	719	719	719	2777	5

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) report-ing a supple-mentary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is										no. of hhs using any SS of DW		% (0.0) repo-rting 'no' SS of DW	% (0.0) with n. r. SS of DW
			tap	tube-well, hand pump	well	tank/ pond reserv. for drinking	other tank/ pond	river/ canal/ lake	spr-ing	tan-ker	other	all	estd. (00)	sample		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Tamil Nadu																**rural**
tap	500	36.8	47	522	325	40	8	54	2	-	1	1000	17736	1026	63.1	0.1
tubewell, hand pump	311	26.4	166	266	479	23	42	13	-	-	11	1000	7917	489	73.4	0.2
well	142	25.0	119	528	105	145	13	6	77	6	-	1000	3424	207	75.0	-
tank/pond reserved for drinking	24	58.5	45	408	394	58	96	-	-	-	-	1000	1373	89	41.5	-
other tank/pond	5	47.3	281	719	-	-	-	-	-	-	-	1000	249	14	52.7	-
river/canal/lake	8	48.6	419	300	-	281	-	-	-	-	-	1000	395	27	51.4	-
spring	2	56.7	-	-	1000	-	-	-	-	-	-	1000	135	10	43.3	-
tanker	6	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
all	1000	32.4	91	449	339	51	21	35	9	1	3	1000	31229	1862	67.5	0.1
estd. no. of hhs. (00)	96319	31229	2856	14037	10601	1586	654	1081	294	21	100	31229	-	-	65005	85
no. of sample hhs	5324	1862	172	839	636	101	37	54	16	1	6	1862	1862	1862	3456	6
Uttar Pradesh																**rural**
tap	88	16.8	-	137	185	-	-	327	328	-	23	1000	3398	163	39.4	43.8
tubewell, hand pump	635	4.0	21	410	552	-	3	4	0	-	8	1000	5792	255	91.1	4.9
well	221	6.9	52	731	143	-	-	12	9	-	53	1000	3534	159	64.9	28.2
tank/pond reserved for drinking	4	-	-	-	-	-	-	-	-	-	-	-	-	-	44.8	55.2
other tank/pond	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0
river/canal/lake	1	23.0	1000	-	-	-	-	-	-	-	-	1000	65	2	59.6	17.4
spring	47	0.5	-	-	226	-	-	774	-	-	-	1000	54	6	99.5	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	1	16.6	-	-	-	-	-	-	-	-	1000	1000	42	2	83.4	-
all	1000	5.6	29	420	338	-	1	95	90	-	27	1000	12924	589	80.8	13.6
estd. no. of hhs. (00)	230008	12924	374	5422	4374	-	19	1221	1159	-	354	12924	-	-	185781	31303
no. of sample hhs	10003	589	18	238	202	-	1	63	49	-	18	589	589	589	8041	1373

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no. of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is										no. of hhs using any SS of DW		% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
			tap	tube-well, hand pump	well	tank/ pond reserv. for drinking	other tank/ pond	river/ canal/ lake	spring	tanker	other	all	estd. (00)	sample		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
West Bengal																**rural**
tap	41	26.0	20	546	200	-	-	-	234	-	-	1000	1190	50	55.9	18.1
tubewell, hand pump	756	9.8	111	554	134	8	105	19	2	-	66	1000	8194	396	87.1	3.1
well	182	7.8	207	433	140	-	191	-	29	-	-	1000	1559	76	52.6	39.6
tank/pond reserved for drinking	9	6.5	-	-	-	-	333	-	-	-	667	1000	63	3	-	93.5
other tank/pond	2	21.4	-	500	-	-	500	-	-	-	-	1000	50	2	8.9	69.7
river/canal/lake	2	15.9	-	-	1000	-	-	-	-	-	-	1000	36	1	67.1	17.1
spring	2	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	10.1	115	530	143	6	108	14	31	-	52	1000	11114	529	78.7	11.3
estd. no. of hhs. (00)	110552	11114	1282	5890	1591	68	1205	154	344	-	580	11114	-	-	86959	12478
no. of sample hhs	5312	529	75	272	68	3	51	12	17	-	31	529	529	529	4194	589
North-Eastern																**rural**
tap	283	41.8	68	310	190	177	16	92	121	-	25	1000	1851	776	55.6	2.5
tubewell, hand pump	185	35.1	133	132	512	13	118	6	20	-	67	1000	1019	223	64.7	0.1
well	194	24.5	164	264	269	94	110	51	40	-	9	1000	742	218	75.3	0.2
tank/pond reserved for drinking	47	38.4	87	14	-	464	201	-	220	-	14	1000	284	106	48.1	13.5
other tank/pond	19	18.7	-	23	129	45	58	726	-	-	19	1000	56	25	81.3	-
river/canal/lake	33	37.7	113	66	129	30	364	259	19	-	20	1000	194	67	62.2	0.1
spring	203	16.8	11	26	28	4	16	7	782	12	114	1000	532	375	82.8	0.4
tanker	0	100.0	-	-	-	-	-	-	1000	-	-	1000	1	1	-	-
other	21	32.8	141	664	117	-	-	-	77	-	-	1000	106	25	67.2	-
all	1000	30.9	94	209	235	115	77	64	165	1	40	1000	4824	1832	67.1	2.1
estd. no. of hhs. (00)	15630	4824	454	1006	1136	554	370	309	796	6	193	4824	-	-	10482	324
no. of sample hhs	6273	1832	136	218	296	323	142	133	513	5	66	1832	1832	1832	4308	133

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) report-ing a supple-mentary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is: tap	tube-well, hand pump	well	tank/ pond reserv. for drinking	other tank/ pond	river/ canal/ lake	spr-ing	tan-ker	other	all	no. of hhs using any SS of DW: estd. (00)	sample	% (0.0) repo-rting 'no' SS of DW	% (0.0) with n. r. SS of DW
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
North-Western																**rural**
tap	578	59.1	18	189	220	1	16	192	348	1	16	1000	7233	1387	40.8	0.0
tubewell, hand pump	139	17.2	456	97	83	-	-	363	-	-	-	1000	509	102	82.8	-
well	88	24.7	667	95	111	-	74	53	-	-	-	1000	462	92	75.3	-
tank/pond reserved for drinking	5	19.2	651	-	-	-	-	-	349	-	-	1000	21	3	80.8	-
other tank/pond	13	24.1	907	-	93	-	-	-	-	-	-	1000	67	12	75.9	-
river/canal/lake	42	47.6	760	-	-	-	-	79	148	-	13	1000	423	86	52.4	-
spring	127	25.0	416	-	-	-	-	323	182	58	21	1000	671	126	74.7	0.3
tanker	5	79.3	753	247	-	-	-	-	-	-	-	1000	82	4	20.7	-
other	3	87.6	822	-	-	-	-	-	178	-	-	1000	48	11	12.4	-
all	1000	45.0	152	155	177	1	15	194	285	5	14	1000	9515	1823	55.0	0.1
estd. no. of hhs. (00)	21164	9515	1448	1478	1688	7	147	1851	2716	45	136	9515	-	-	11637	13
no. of sample hhs	3816	1823	295	238	338	1	26	314	575	4	32	1823	1823	1823	1991	2
Southern																**rural**
tap	626	21.0	-	110	787	-	3	80	16	2	2	1000	402	97	79.0	-
tubewell, hand pump	63	5.8	-	875	125	-	-	-	-	-	-	1000	11	2	94.2	-
well	254	25.1	847	-	-	-	-	100	-	53	-	1000	195	58	74.5	0.4
tank/pond reserved for drinking	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other tank/pond	0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
river/canal/lake	13	99.3	247	-	12	-	-	-	247	494	-	1000	40	13	0.7	-
spring	22	24.5	382	-	618	-	-	-	-	-	-	1000	17	3	75.5	-
tanker	17	-	-	-	-	-	-	-	-	-	-	-	-	-	85.7	14.3
other	2	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	21.7	273	81	494	-	2	78	24	46	1	1000	665	173	77.9	0.3
estd. no. of hhs. (00)	3059	665	181	54	328	-	1	52	16	31	1	665	-	-	2384	11
no. of sample hhs	1014	173	53	7	84	-	3	13	4	8	1	173	173	173	838	3

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) report-ing a supple-mentary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is										no. of hhs using any SS of DW		% (0.0) repo-rting 'no' SS of DW	% (0.0) with n. r. SS of DW
			tap	tube-well, hand pump	well	tank/ pond reserv. for drinking	other tank/ pond	river/ canal/ lake	spr-ing	tan-ker	other	all	estd. (00)	sample		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Andhra Pradesh																**urban**
tap	751	32.8	72	592	239	6	3	19	-	63	6	1000	10863	557	65.9	1.3
tubewell, hand pump	128	19.8	141	426	114	-	-	-	-	289	31	1000	1119	61	80.2	-
well	67	15.0	37	694	70	-	-	47	-	-	152	1000	442	19	85.0	-
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	5	79.5	-	1000	-	-	-	-	-	-	-	1000	188	5	20.5	-
river/canal/lake	1	64.9	-	463	537	-	-	-	-	-	-	1000	20	5	35.1	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	48	62.6	-	429	514	51	5	-	-	-	-	1000	1322	50	37.4	-
other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
all	1000	31.6	68	572	247	9	3	16	-	72	12	1000	13953	697	67.4	1.0
estd. no. of hhs. (00)	44115	13953	954	7977	3446	130	44	225	-	1008	170	13953	-	-	29721	441
no. of sample hhs	2356	697	54	383	156	4	2	14	-	75	9	697	697	697	1636	23
Assam																**urban**
tap	422	19.8	82	886	32	-	-	-	-	-	-	1000	376	33	80.2	0.1
tubewell, hand pump	384	5.1	197	85	-	126	-	593	-	-	-	1000	88	23	94.9	-
well	194	4.4	338	259	163	-	240	-	-	-	-	1000	39	4	95.6	-
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
all	1000	11.2	122	697	37	22	19	104	-	-	-	1000	503	60	88.8	0.0
estd. no. of hhs. (00)	4504	503	61	350	18	11	9	52	-	-	-	503	-	-	4000	2
no. of sample hhs	504	60	7	31	2	1	1	18	-	-	-	60	60	60	443	1

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is										no. of hhs using any SS of DW		% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
			tap	tube-well, hand pump	well	tank/pond reserv. for drinking	other tank/pond	river/canal/lake	spring	tanker	other	all	estd. (00)	sample		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
																urban
Bihar																
tap	353	43.9	-	333	399	-	54	146	64	-	4	1000	3583	190	55.5	0.6
tubewell, hand pump	431	4.8	199	257	190	-	-	51	-	291	12	1000	482	32	95.2	-
well	191	36.7	8	169	774	-	7	21	-	-	21	1000	1617	27	56.7	6.5
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	11	0.2	-	1000	-	-	-	-	-	-	-	1000	1	1	99.8	-
spring	0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
tanker	13	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
all	1000	24.6	19	280	488	-	36	102	41	25	10	1000	5682	250	73.8	1.6
estd. no. of hhs. (00)	23100	5682	108	1590	2774	-	204	581	231	140	55	5682	-	-	17048	369
no. of sample hhs	1283	250	6	131	57	-	4	19	18	9	6	250	250	250	1021	12
																urban
Gujrat																
tap	911	16.9	418	350	83	48	0	-	-	69	31	1000	3426	273	83.0	0.0
tubewell, hand pump	73	28.9	36	889	-	-	-	-	-	-	75	1000	465	26	71.1	-
well	5	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	11	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
all	1000	17.5	373	415	73	43	0	-	-	61	36	1000	3891	299	82.4	0.0
estd. no. of hhs. (00)	22196	3891	1450	1614	284	166	0	-	-	237	140	3891	-	-	18300	5
no. of sample hhs	1701	299	98	144	16	16	1	-	-	18	6	299	299	299	1401	1

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is										no. of hhs using any SS of DW		% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
			tap	tube-well, hand pump	well	tank/ pond reserv. for drinking	other tank/ pond	river/ canal/ lake	spr-ing	tan-kér	other	all	estd. (00)	sample		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Haryana																**urban**
tap	805	28.2	114	824	39	-	0	-	-	17	6	1000	2309	104	71.8	-
tubewell, hand pump	194	1.8	872	128	-	-	-	-	-	-	-	1000	36	9	98.2	-
well	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	2	100.0	1000	-	-	-	-	-	-	-	-	1000	16	15	-	-
all	1000	23.2	132	808	38	-	0	-	-	16	5	1000	2361	128	76.8	-
estd. no. of hhs. (00)	10172	2361	311	1908	90	-	0	-	-	38	13	2361	-	-	7811	-
no. of sample hhs	430	128	24	95	2	-	1	-	-	3	3	128	128	128	302	-
Karnataka																**urban**
tap	809	29.0	45	735	193	0	9	10	-	1	7	1000	6154	488	71.0	-
tubewell, hand pump	112	4.0	324	374	-	-	-	-	-	302	-	1000	117	15	96.0	-
well	66	22.2	167	-	809	-	24	-	-	-	-	1000	385	12	77.8	-
tank/pond reserved for drinking	9	16.8	-	-	1000	-	-	-	-	-	-	1000	42	1	83.2	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	3	5.4	-	1000	-	-	-	-	-	-	-	1000	4	1	94.6	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	25.5	56	682	230	0	10	9	-	6	6	1000	6702	517	74.5	-
estd. no. of hhs. (00)	26262	6702	378	4570	1540	0	64	63	-	43	43	6702	-	-	19561	-
no. of sample hhs	1566	517	25	384	83	1	2	10	-	9	3	517	517	517	1049	-

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is										no. of hhs using any SS of DW		% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
			tap	tube-well, hand pump	well	tank/ pond reserv. for drinking	other tank/ pond	river/ canal/ lake	spring	tanker	other	all	estd. (00)	sample		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
																urban
Kerala																
tap	402	16.2	15	76	883	27	-	-	-	-	-	1000	941	115	83.8	-
tubewell, hand pump	35	16.6	-	-	1000	-	-	-	-	-	-	1000	84	3	83.4	-
well	554	23.2	349	69	356	-	-	56	-	163	8	1000	1857	139	76.8	-
tank/pond reserved for drinking	6	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	2	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	20.0	229	69	546	9	-	36	-	105	5	1000	2882	257	80.0	-
estd. no. of hhs. (00)	14431	2882	661	200	1575	25	-	104	-	303	14	2882	-	-	11549	-
no. of sample hhs	1296	257	55	15	165	2	-	12	-	6	2	257	257	257	1039	-
																Urban
Madhya Pradesh																
tap	761	23.7	31	592	359	-	-	-	-	18	-	1000	5926	396	76.0	0.3
tubewell, hand pump	131	16.1	479	152	369	-	-	-	-	-	-	1000	691	60	75.5	8.5
well	91	20.0	130	219	517	-	-	125	-	8	-	1000	598	51	80.0	-
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	4	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
all	1000	22.0	82	519	373	-	-	10	-	15	-	1000	7214	507	76.6	1.4
estd. no. of hhs. (00)	32817	7214	593	3747	2688	-	-	75	-	111	-	7214	-	-	25153	450
no. of sample hhs	2010	507	63	226	209	-	-	2	-	7	-	507	507	507	1477	26

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is										no. of hhs using any SS of DW		% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
			tap	tube-well, hand pump	well	tank/ pond reserv. for drinking	other tank/ pond	river/ canal/ lake	spring	tanker	other	all	estd. (00)	sample		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Maharashtra																**urban**
tap	920	11.9	95	617	192	5	12	-	-	78	1	1000	7487	428	88.1	0.0
tubewell, hand pump	53	18.3	113	47	133	-	-	-	-	708	-	1000	660	50	81.7	-
well	25	32.7	21	63	106	-	-	-	-	-	809	1000	564	26	67.3	-
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
spring	0	100.0	-	1000	-	-	-	-	-	-	-	1000	9	1	-	-
tanker	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other	2	0.5	-	-	1000	-	-	-	-	-	-	1000	1	1	99.5	-
all	1000	12.7	91	538	182	4	10	-	-	120	54	1000	8720	506	87.2	0.0
estd. no. of hhs. (00)	68505	8720	798	4695	1588	35	87	-	-	1050	467	8720	-	-	59757	28
no. of sample hhs	3806	506	66	253	109	2	5	-	-	53	18	506	506	506	3298	2
Orissa																**urban**
tap	387	32.0	123	520	331	-	-	24	-	1	1	1000	1253	91	68.0	-
tubewell, hand pump	323	21.9	570	-	366	-	63	-	-	-	-	1000	714	19	78.1	-
well	261	27.0	183	691	-	-	126	-	-	-	-	1000	713	29	73.0	-
tank/pond reserved for drinking	0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other tank/pond	12	8.4	-	-	1000	-	-	-	-	-	-	1000	10	1	91.6	-
river/canal/lake	12	95.6	621	188	191	-	-	-	-	-	-	1000	113	11	4.4	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	5	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	27.7	272	416	253	-	48	11	-	1	1	1000	2803	151	72.3	-
estd. no. of hhs. (00)	10120	2803	761	1165	708	-	135	30	-	1	1	2803	-	-	7317	-
no. of sample hhs	646	151	18	67	58	-	3	3	-	1	1	151	151	151	495	-

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is: tap	tube-well, hand pump	well	tank/pond reserv. for drinking	other tank/pond	river/canal/lake	spring	tanker	other	all	no. of hhs using any SS of DW: estd. (00)	sample	% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
																urban
Punjab																
tap	644	8.4	87	903	-	-	-	-	-	-	10	1000	887	103	91.6	-
tubewell, hand pump	355	8.5	868	92	-	-	-	40	-	-	-	1000	495	23	91.5	-
well	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
all	1000	8.4	367	613	-	-	-	14	-	-	6	1000	1382	126	91.6	-
estd. no. of hhs. (00)	16480	1382	507	847	-	-	-	20	-	-	9	1382		-	15098	-
no. of sample hhs	1295	126	29	94	-	-	-	2	-	-	1	126	126	126	1169	-
																urban
Rajasthan																
tap	854	20.1	29	522	177	5	-	-	-	242	27	1000	3259	190	79.9	0.0
tubewell, hand pump	104	11.2	176	824	-	-	-	-	-	-	-	1000	221	8	88.8	-
well	4	6.5	-	1000	-	-	-	-	-	-	-	1000	5	1	93.5	-
tank/pond reserved for drinking	11	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other tank/pond	0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	17	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other	10	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	18.4	38	541	165	4	-	-	-	226	25	1000	3485	199	81.6	0.0
estd. no. of hhs. (00)	18957	3485	132	1887	575	15	-	-	-	789	86	3485	-	-	15470	1
no. of sample hhs	1129	199	13	114	30	1	-	-	-	38	3	199	199	199	929	1

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no. of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is: tap	tube-well, hand pump	well	tank/ pond reserv. for drinking	other tank/ pond	river/ canal/ lake	spring	tanker	other	all	no. of hhs using any SS of DW: estd. (00)	sample	% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Tamil Nadu																**urban**
tap	740	21.8	104	392	375	9	-	60	3	16	42	1000	8735	571	78.2	-
tubewell, hand pump	187	10.0	311	395	95	-	-	22	-	138	39	1000	1018	75	89.9	0.1
well	34	19.0	519	406	8	-	-	-	-	21	45	1000	355	38	81.0	-
tank/pond reserved for drinking	4	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other tank/pond	1	76.1	1000	-	-	-	-	-	-	-	-	1000	24	1	23.9	-
river/canal/lake	2	100.0	807	193	-	-	-	-	-	-	-	1000	123	2	-	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	27	21.0	420	331	116	-	-	-	-	133	-	1000	310	37	79.0	-
other	4	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	19.5	158	388	323	7	-	52	2	31	40	1000	10564	724	80.5	0.0
estd. no. of hhs. (00)	54195	10564	1665	4094	3409	76	-	546	26	329	420	10564	-	-	43625	6
no. of sample hhs	3138	724	107	314	179	4	-	52	2	57	9	724	724	724	2413	1
Uttar Pradesh																**urban**
tap	432	19.0	58	777	133	2	-	-	-	30	-	1000	4775	308	81.0	-
tubewell, hand pump	532	4.7	510	251	225	14	-	-	-	-	-	1000	1465	84	95.3	-
well	36	18.5	273	427	300	-	-	-	-	-	-	1000	387	20	80.7	0.9
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
all	1000	11.4	170	640	163	4	-	-	-	22	-	1000	6627	412	88.6	0.0
estd. no. of hhs. (00)	58362	6627	1129	4243	1082	28	-	-	-	145	-	6627	-	-	51717	18
no. of sample hhs	2792	412	81	244	79	4	-	-	-	4	-	412	412	412	2379	1

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is										no. of hhs using any SS of DW		% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
			tap	tubewell, hand pump	well	tank/pond reserv. for drinking	other tank/pond	river/canal/lake	spring	tanker	other	all	estd. (00)	sample		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
																urban
West Bengal																
tap	560	15.5	34	910	15	-	-	33	7	-	-	1000	3397	199	83.9	0.6
tubewell, hand pump	382	4.1	829	171	-	-	-	-	-	-	-	1000	610	37	94.3	1.6
well	47	3.5	169	82	749	-	-	-	-	-	-	1000	65	6	96.5	-
tank/pond reserved for drinking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	7	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
spring	0	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	2	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	10.4	156	786	25	-	-	27	6	-	-	1000	4072	242	88.6	0.9
estd. no. of hhs. (00)	39025	4072	633	3202	101	-	-	112	24	-	-	4072	-	-	34590	363
no. of sample hhs	2222	242	42	179	11	-	-	9	1	-	-	242	242	242	1960	20
																urban
North-Eastern																
tap	522	27.8	66	208	193	168	49	71	122	6	117	1000	520	277	71.0	1.2
tubewell, hand pump	147	42.6	159	179	54	51	397	10	13	69	69	1000	224	69	36.6	20.8
well	110	26.2	57	124	142	46	304	270	-	58	-	1000	103	39	44.0	29.8
tank/pond reserved for drinking	53	18.9	-	35	-	-	380	377	171	-	37	1000	36	36	77.7	3.4
other tank/pond	15	27.7	-	-	-	297	268	255	180	-	-	1000	14	15	72.3	-
river/canal/lake	16	38.0	-	-	-	-	285	715	-	-	-	1000	22	15	62.0	-
spring	88	10.3	103	170	-	20	93	66	210	87	251	1000	32	51	89.3	0.4
tanker	22	95.5	-	-	-	-	-	-	9	5	986	1000	76	17	4.5	-
other	10	61.6	105	-	393	-	-	-	273	-	229	1000	23	11	31.4	7.0
all	1000	29.6	77	158	134	102	163	96	84	26	161	1000	1060	532	62.1	8.3
estd. no. of hhs. (00)	3578	1060	81	167	142	108	172	102	89	28	171	1060	-	-	2222	296
no. of sample hhs	2165	532	43	85	48	64	61	71	76	15	69	532	532	532	1486	147

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is										no. of hhs using any SS of DW		% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
			tap	tubewell, hand pump	well	tank/pond reserv. for drinking	other tank/pond	river/canal/lake	spring	tanker	other	all	estd. (00)	sample		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
North-Western																**urban**
tap	942	18.8	168	564	19	-	1	128	73	44	4	1000	4698	364	81.1	0.2
tubewell, hand pump	54	26.1	47	950	-	-	-	-	-	3	-	1000	374	17	73.9	-
well	1	72.0	-	1000	-	-	-	-	-	-	-	1000	26	1	28.0	-
tank/pond reserved for drinking	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other tank/pond	0	100.0	-	1000	-	-	-	-	-	-	-	1000	9	1	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
spring	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
tanker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
all	1000	19.3	158	595	17	-	1	118	67	40	4	1000	5106	383	80.6	0.1
estd. no. of hhs. (00)	26520	5106	805	3040	88	-	3	603	341	205	21	5106	-	-	21376	38
no. of sample hhs	2124	383	41	220	15	-	1	18	38	41	9	383	383	383	1739	2
Southern																**urban**
tap	839	5.0	9	71	808	-	-	-	-	113	-	1000	104	33	95.0	-
tubewell, hand pump	57	1.6	-	-	676	-	-	-	-	-	324	1000	2	5	98.4	-
well	90	8.0	581	-	397	-	-	-	-	21	-	1000	18	13	92.0	-
tank/pond reserved for drinking	3	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
other tank/pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
spring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tanker	10	14.2	769	-	231	-	-	-	-	-	-	1000	4	5	85.8	-
other	1	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-
all	1000	5.2	110	58	732	-	-	-	-	95	6	1000	127	56	94.8	-
estd. no. of hhs. (00)	2465	127	14	7	93	-	-	-	-	12	1	127	-	-	2338	-
no. of sample hhs	860	56	16	4	30	-	-	-	-	4	2	56	56	56	804	-

Table 8: Per 1000 distribution of households using a supplementary source by type of supplementary source, separately for each type of principal source

principal source of drinking water	no.of hhs per 1000 using the principal source	% (0.0) reporting a supplementary source	no. of hhs per 1000 among those reporting use of a supplementary source* for whom the (main) supplementary source (SS) of drinking water (DW) is										no. of hhs using any SS of DW		% (0.0) reporting 'no' SS of DW	% (0.0) with n. r. SS of DW
			tap	tube-well, hand pump	well	tank/ pond reserv. for drinking	other tank/ pond	river/ canal/ lake	spring	tanker	other	all	estd. (00)	sample		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
																rural
India																
tap	187	32.1	27	443	344	27	24	64	56	10	5	1000	80959	5991	63.8	4.1
tubewell, hand pump	501	12.3	96	201	511	21	44	73	12	18	24	1000	83167	4640	86.0	1.7
well	258	19.2	77	505	237	19	35	66	23	29	11	1000	66846	3918	73.7	7.1
tank/pond reserved for drinking	13	34.9	39	224	304	119	120	63	12	95	22	1000	6001	433	56.0	9.1
other tank/pond	6	33.6	56	332	333	1	190	58	10	-	20	1000	2627	194	60.6	5.9
river/canal/lake	13	26.3	213	419	145	113	15	24	52	4	15	1000	4591	393	72.2	1.5
spring	17	9.6	130	229	162	1	4	172	241	20	40	1000	2237	565	90.2	0.2
tanker	2	32.3	81	53	284	-	552	30	1	-	-	1000	1039	48	67.4	0.2
other	2	19.9	94	360	155	-	74	29	134	62	93	1000	580	63	77.7	2.5
all	1000	18.4	69	368	364	26	40	67	33	20	14	1000	248369	16273	77.9	3.6
estd. no. of hhs. (00)	1348695	248369	17057	91430	90392	6409	9850	16695	8105	4892	3539	248369	-	-	1051216	49110
no. of sample hhs	78990	16273	1338	5074	5337	657	700	1289	1338	268	272	16273	16273	16273	60312	2405
																urban
India																
tap	701	20.6	89	581	222	7	6	30	10	43	12	1000	68691	4720	79.2	0.2
tubewell, hand pump	213	8.7	368	305	152	5	15	14	0	127	15	1000	8864	616	90.6	0.7
well	67	22.5	180	242	393	1	21	37	-	45	82	1000	7171	425	76.2	1.3
tank/pond reserved for drinking	2	7.8	-	16	538	-	175	174	79	-	17	1000	77	37	91.6	0.6
other tank/pond	1	54.2	97	802	42	18	16	15	11	-	-	1000	245	23	45.8	-
river/canal/lake	2	26.5	600	208	114	-	22	55	-	-	-	1000	282	35	73.5	-
spring	1	10.7	81	344	-	16	73	52	166	69	198	1000	41	52	89.0	0.3
tanker	10	37.1	78	391	419	39	4	-	0	24	44	1000	1712	109	62.9	-
other	1	5.6	465	-	244	-	-	-	158	-	133	1000	40	27	94.0	0.4
all	1000	18.3	127	520	232	7	8	29	8	51	18	1000	87134	6046	81.3	0.4
estd. no. of hhs. (00)	475803	87134	11041	45304	20201	594	720	2513	711	4440	1611	87134	-	-	386653	2017
no. of sample hhs	31323	6046	788	2983	1249	99	81	230	135	340	141	6046	6046	6046	25040	237

note: the row 'all' includes 'n.. r.' cases of principal sources of drinking water

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	no. of hhs per 1000 served by the source	no. of households per 1000 with drinking water known to be polluted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satisfactory quality	n.r.	total	no of hhs estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
tap											**rural**
Andhra Pradesh	262	11	5	3	9	13	959	-	1000	31234	1421
Assam	73	70	-	14	163	26	727	-	1000	2554	231
Bihar	7	-	-	45	51	31	857	15	1000	995	57
Gujarat	466	1	3	1	91	-	904	-	1000	25368	1359
Haryana	311	-	2	-	6	3	988	1	1000	7892	380
Karnataka	266	1	-	2	-	12	985	-	1000	18523	787
Kerala	106	9	24	25	64	24	854	-	1000	4808	318
Madhya Pradesh	50	-	7	-	-	2	991	-	1000	5335	298
Maharashtra	411	8	10	18	10	7	947	-	1000	45707	2215
Orissa	29	-	-	-	24	10	967	-	1000	1813	78
Punjab	148	8	43	17	9	15	908	-	1000	4140	351
Rajasthan	192	0	-	3	17	7	971	1	1000	11989	727
Tamil Nadu	500	8	10	5	18	1	957	0	1000	48137	2627
Uttar Pradesh	88	1	-	0	16	2	541	440	1000	20188	876
West Bengal	41	-	-	25	97	25	649	205	1000	4580	219
North-Eastern	283	12	2	14	113	50	726	83	1000	4424	1751
North-Western	578	21	5	35	15	25	895	3	1000	12233	2262
Southern	626	51	8	9	45	2	886	-	1000	1914	592
India	187	7	6	9	26	8	903	41	1000	251833	16549

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State		no. of households per 1000 with drinking water								no of hhs	
	no. of hhs per 1000 served by the source	known to be pollu-ted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satis-factory quality	n.r.	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
											rural
tubewell, hand pump											
Andhra Pradesh	469	14	11	2	14	44	911	4	1000	55943	2703
Assam	495	3	17	15	283	7	653	22	1000	17395	1541
Bihar	703	17	18	31	144	16	765	8	1000	105481	5179
Gujarat	317	1	5	7	2	7	976	1	1000	17283	966
Haryana	499	3	15	2	6	11	959	2	1000	12656	605
Karnataka	539	2	2	4	14	6	973	-	1000	37585	1747
Kerala	14	-	26	-	127	105	742	-	1000	619	43
Madhya Pradesh	522	2	1	2	26	6	961	1	1000	56061	3053
Maharashtra	244	9	13	6	32	25	916	-	1000	27171	1301
Orissa	532	5	17	14	99	5	856	3	1000	33738	1860
Punjab	827	4	42	6	44	55	849	1	1000	23145	2126
Rajasthan	362	2	6	5	43	4	941	-	1000	22590	1243
Tamil Nadu	311	6	24	19	28	23	900	1	1000	29938	1669
Uttar Pradesh	635	1	11	9	26	16	887	50	1000	146096	6711
West Bengal	756	15	11	30	199	25	688	33	1000	83596	4014
North-Eastern	185	24	11	48	378	20	499	21	1000	2899	722
North-Western	139	33	2	28	4	54	876	3	1000	2952	439
Southern	63	-	73	-	86	-	841	-	1000	194	33
India	501	8	13	14	76	19	853	18	1000	675343	35955

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	no. of hhs per 1000 served by the source	no. of households per 1000 with drinking water								no of hhs	
		known to be pollu-ted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satis-factory quality	n.r.	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
well											**rural**
Andhra Pradesh	206	12	21	2	4	36	923	3	1000	24591	1216
Assam	278	22	41	43	129	86	675	4	1000	9752	970
Bihar	279	21	33	38	80	30	788	10	1000	41803	2125
Gujarat	161	31	17	-	69	9	874	-	1000	8781	450
Haryana	191	-	-	-	56	6	935	3	1000	4840	237
Karnataka	156	-	1	48	-	0	952	-	1000	10895	494
Kerala	851	2	9	22	2	5	958	1	1000	38656	2473
Madhya Pradesh	394	1	8	9	23	13	947	0	1000	42394	2263
Maharashtra	298	7	8	8	1	9	967	-	1000	33165	1580
Orissa	337	23	23	36	40	47	830	1	1000	21414	1141
Punjab	23	-	-	342	26	-	630	2	1000	648	53
Rajasthan	329	-	9	0	13	7	967	3	1000	20552	1123
Tamil Nadu	142	35	58	28	20	7	849	3	1000	13708	748
Uttar Pradesh	221	16	14	19	13	14	633	290	1000	50942	2238
West Bengal	182	6	5	17	34	36	449	453	1000	20110	965
North-Eastern	194	39	16	66	202	24	639	15	1000	3031	959
North-Western	88	14	14	22	-	7	940	3	1000	1866	350
Southern	254	12	29	44	18	2	895	-	1000	778	346
India	258	12	17	20	29	20	832	71	1000	347926	19731

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	no. of hhs per 1000 served by the source	no. of households per 1000 with drinking water								no of hhs	
		known to be pollu-ted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satis-factory quality	n.r.	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
											rural
tank, pond reserved for drinking											
Andhra Pradesh	26	110	94	87	-	15	694	-	1000	3105	151
Assam	21	-	-	19	118	-	793	70	1000	753	74
Bihar	0	-	-	-	-	1000	-	-	1000	54	2
Gujarat	25	-	-	-	105	-	895	-	1000	1385	84
Haryana	-	-	-	-	-	-	-	-	-	-	-
Karnataka	19	-	-	-	-	-	1000	-	1000	1316	57
Kerala	15	-	22	27	-	46	905	-	1000	662	35
Madhya Pradesh	0	-	-	914	-	-	86	-	1000	21	2
Maharashtra	1	-	644	-	-	-	356	-	1000	61	2
Orissa	14	257	-	69	54	299	321	-	1000	863	44
Punjab	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	61	-	80	43	14	7	849	7	1000	3778	215
Tamil Nadu	24	126	168	112	11	32	552	-	1000	2348	148
Uttar Pradesh	4	-	-	-	-	-	426	574	1000	1031	60
West Bengal	9	22	-	-	-	-	43	935	1000	959	46
North-Eastern	47	78	27	-	-	40	749	106	1000	740	319
North-Western	5	492	12	-	-	142	354	-	1000	109	22
Southern	1	-	-	-	-	-	1000	-	1000	5	3
India	13	58	62	47	21	31	686	96	1000	17190	1264

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State		no. of households per 1000 with drinking water								no of hhs	
	no. of hhs per 1000 served by the source	known to be polluted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satisfactory quality	n.r.	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
other tank, pond											**rural**
Andhra Pradesh	3	-	-	-	-	-	1000	-	1000	310	17
Assam	69	49	87	263	86	160	356	-	1000	2427	231
Bihar	1	-	-	647	-	-	353	-	1000	124	6
Gujarat	0	439	-	-	-	-	531	30	1000	9	6
Haryana	-	-	-	-	-	-	-	-	-	-	-
Karnataka	2	-	-	-	-	-	1000	-	1000	118	6
Kerala	7	-	-	-	-	-	1000	-	1000	337	20
Madhya Pradesh	1	-	-	-	-	-	1000	-	1000	78	3
Maharashtra	0	-	-	-	-	1000	-	-	1000	17	1
Orissa	21	345	-	123	-	42	490	-	1000	1359	66
Punjab	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	23	-	-	33	-	148	820	-	1000	1444	87
Tamil Nadu	5	-	-	261	-	85	654	-	1000	528	34
Uttar Pradesh	1	-	-	-	-	-	-	1000	1000	263	15
West Bengal	2	89	-	-	-	107	107	697	1000	232	13
North-Eastern	19	134	149	106	-	151	460	-	1000	300	109
North-Western	13	-	-	120	-	89	791	-	1000	277	31
Southern	0	-	-	-	-	-	1000	-	1000	0	1
India	6	83	33	145	27	104	554	54	1000	7823	646

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	no. of hhs per 1000 served by the source	no. of households per 1000 with drinking water: known to be polluted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satisfactory quality	n.r.	total	no of hhs: estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
river, canal, lake											**rural**
Andhra Pradesh	23	234	-	-	-	31	735	-	1000	2761	129
Assam	43	68	9	227	136	260	301	-	1000	1523	136
Bihar	3	-	54	42	-	45	860	-	1000	386	26
Gujarat	7	-	-	140	-	488	372	-	1000	406	21
Haryana	-	-	-	-	-	-	-	-	-	-	-
Karnataka	17	88	-	-	-	-	912	-	1000	1154	57
Kerala	1	-	-	-	-	-	1000	-	1000	31	2
Madhya Pradesh	19	-	24	179	112	72	613	-	1000	2069	102
Maharashtra	26	93	137	85	-	20	666	-	1000	2923	148
Orissa	27	89	90	27	17	46	724	7	1000	1725	93
Punjab	1	-	-	1000	-	-	-	-	1000	24	2
Rajasthan	27	63	-	47	-	33	857	-	1000	1660	77
Tamil Nadu	8	-	-	1	-	-	999	-	1000	813	52
Uttar Pradesh	1	-	-	280	-	-	546	174	1000	282	14
West Bengal	2	-	-	159	78	-	592	171	1000	230	10
North-Eastern	33	24	89	240	73	4	538	32	1000	514	270
North-Western	42	72	58	137	100	172	461	-	1000	889	159
Southern	13	368	-	491	-	-	142	-	1000	40	16
India	13	84	42	90	35	68	673	7	1000	17430	1314

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	no. of hhs per 1000 served by the source	no. of households per 1000 with drinking water								no of hhs	
		known to be pollu-ted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satis-factory quality	n.r.	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
spring											**rural**
Andhra Pradesh	4	-	-	-	-	-	1000	-	1000	527	44
Assam	11	-	-	-	-	935	65	-	1000	379	28
Bihar	3	-	9	101	-	787	104	-	1000	442	32
Gujarat	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-
Karnataka	1	333	-	-	-	-	667	-	1000	78	3
Kerala	3	-	-	-	-	-	1000	-	1000	138	10
Madhya Pradesh	13	-	-	-	-	179	821	-	1000	1364	71
Maharashtra	14	14	-	16	-	-	970	-	1000	1572	90
Orissa	23	84	-	41	-	193	683	-	1000	1434	60
Punjab	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-
Tamil Nadu	2	-	-	8	-	559	433	-	1000	239	16
Uttar Pradesh	47	-	-	-	-	-	1000	-	1000	10870	73
West Bengal	2	-	-	-	-	-	1000	-	1000	221	12
North-Eastern	203	5	1	10	72	23	867	22	1000	3174	1949
North-Western	127	7	11	13	-	-	968	-	1000	2679	536
Southern	22	187	-	-	-	-	813	-	1000	67	15
India	17	9	2	9	10	62	906	3	1000	23184	2939

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	no. of hhs per 1000 served by the source	no. of households per 1000 with drinking water								no of hhs	
		known to be pollu-ted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satis-factory quality	n.r.	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
											rural
tanker											
Andhra Pradesh	3	-	-	-	68	-	932	-	1000	390	18
Assam	-	-	-	-	-	-	-	-	-	-	-
Bihar	0	-	-	-	-	-	1000	-	1000	18	1
Gujarat	22	3	36	-	209	-	752	-	1000	1204	48
Haryana	-	-	-	-	-	-	-	-	-	-	-
Karnataka	0	-	-	-	-	-	1000	-	1000	24	1
Kerala	-	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh	1	-	-	263	-	-	737	-	1000	68	3
Maharashtra	3	-	-	-	-	-	1000	-	1000	386	13
Orissa	4	-	-	-	-	-	1000	-	1000	262	16
Punjab	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	2	-	-	-	-	-	1000	-	1000	95	4
Tamil Nadu	6	-	-	-	-	-	1000	-	1000	610	30
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-
North-Eastern	0	-	-	-	-	-	1000	-	1000	1	1
North-Western	5	-	-	-	-	-	1000	-	1000	103	5
Southern	17	-	-	-	-	-	1000	-	1000	53	7
India	2	1	13	6	86	-	893	-	1000	3215	147

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	no. of hhs per 1000 served by the source	no. of households per 1000 with drinking water								no of hhs	
		known to be pollu- ted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satis- factory quality	n.r.	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
other											**rural**
Andhra Pradesh	3	-	-	-	-	-	1000	-	1000	324	18
Assam	5	55	-	-	38	865	42	-	1000	184	17
Bihar	1	-	-	58	-	-	942	-	1000	210	11
Gujarat	1	-	-	-	-	-	1000	-	1000	33	5
Haryana	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-
Kerala	4	-	-	-	-	-	1000	-	1000	161	10
Madhya Pradesh	0	-	-	-	-	-	1000	-	1000	40	2
Maharashtra	1	-	-	-	-	-	1000	-	1000	164	6
Orissa	13	130	30	-	-	183	657	-	1000	803	41
Punjab	1	-	-	-	-	-	1000	-	1000	15	1
Rajasthan	4	-	-	98	-	-	902	-	1000	269	25
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-
Uttar Pradesh	1	-	-	-	-	93	907	-	1000	256	12
West Bengal	1	-	354	-	-	-	646	-	1000	70	3
North-Eastern	21	52	27	58	53	107	703	-	1000	323	97
North-Western	3	719	-	-	-	-	281	-	1000	55	12
Southern	2	-	-	-	-	-	1000	-	1000	8	1
India	2	59	20	20	8	125	769	-	1000	2914	261

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	no.of hhs per 1000 served by the source	no. of households per 1000 with drinking water known to be polluted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satisfactory quality	n.r.	total	no of hhs estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
all											**rural**
Andhra Pradesh	1000	20	14	5	10	33	917	3	1000	119333	5721
Assam	1000	20	26	49	204	66	622	14	1000	35114	3243
Bihar	1000	18	22	34	125	22	770	9	1000	150028	7464
Gujarat	1000	6	7	4	62	7	915	0	1000	54468	2939
Haryana	1000	1	8	1	16	8	964	2	1000	25388	1222
Karnataka	1000	3	1	10	8	6	972	-	1000	69692	3152
Kerala	1000	3	11	22	11	9	943	1	1000	45411	2911
Madhya Pradesh	1000	1	4	8	25	12	948	1	1000	107483	5802
Maharashtra	1000	10	14	14	12	12	938	-	1000	111247	5359
Orissa	1000	27	20	25	68	31	826	3	1000	63451	3401
Punjab	1000	4	41	16	38	48	852	1	1000	27971	2533
Rajasthan	1000	2	10	7	24	10	945	2	1000	62377	3501
Tamil Nadu	1000	14	25	17	21	11	912	1	1000	96319	5324
Uttar Pradesh	1000	5	10	10	21	13	802	139	1000	230008	10003
West Bengal	1000	13	9	27	165	26	634	126	1000	110552	5312
North-Eastern	1000	25	14	39	159	36	682	45	1000	15630	6273
North-Western	1000	27	8	35	14	32	882	2	1000	21164	3816
Southern	1000	44	17	23	38	2	877	-	1000	3059	1014
India	1000	11	13	17	52	19	851	37	1000	1348695	78990

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	no.of hhs per 1000 served by the source	no. of households per 1000 with drinking water known to be polluted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satisfactory quality	n.r.	total	no of hhs estd. (00)	no of hhs sample
1	2	3	4	5	6	7	8	9	10	11	12
tap											**urban**
Andhra Pradesh	751	62	5	33	16	12	868	4	1000	33143	1826
Assam	422	73	60	42	67	41	709	8	1000	1900	208
Bihar	353	49	5	73	3	17	853	-	1000	8161	523
Gujarat	911	3	12	66	80	2	837	0	1000	20223	1582
Haryana	805	10	9	13	-	1	962	5	1000	8187	360
Karnataka	809	8	-	18	2	1	969	1	1000	21234	1300
Kerala	402	19	7	18	2	2	952	-	1000	5808	589
Madhya Pradesh	761	5	1	37	4	9	942	2	1000	24957	1469
Maharashtra	920	9	10	8	2	4	967	0	1000	63000	3528
Orissa	387	2	-	0	4	45	950	-	1000	3919	312
Punjab	644	6	6	3	7	8	970	-	1000	10614	872
Rajasthan	854	19	9	3	28	4	936	0	1000	16184	960
Tamil Nadu	740	34	3	8	2	4	949	0	1000	40119	2282
Uttar Pradesh	432	7	10	3	14	5	962	-	1000	25199	1260
West Bengal	560	5	11	15	59	8	899	3	1000	21867	1286
North-Eastern	522	5	3	15	95	26	829	28	1000	1868	1116
North-Western	942	38	5	32	29	13	882	1	1000	24990	1962
Southern	839	9	9	13	84	67	818	-	1000	2067	672
India	701	20	7	20	18	7	926	1	1000	333441	22107

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	per 1000 no. of hhs served by the source	per 1000 no.of households with drinking water								no of hhs	
		known to be pollu- ted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satis- factory quality	nr	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
tubewell, hand pump											**urban**
Andhra Pradesh	128	7	117	-	51	51	774	-	1000	5648	280
Assam	384	-	102	29	373	32	464	-	1000	1729	198
Bihar	431	9	19	22	108	18	824	-	1000	9948	598
Gujarat	73	22	111	0	316	-	551	-	1000	1611	106
Haryana	194	-	-	21	-	-	979	-	1000	1970	55
Karnataka	112	-	-	-	102	1	897	-	1000	2953	165
Kerala	35	-	64	-	-	-	936	-	1000	507	27
Madhya Pradesh	131	5	3	7	15	7	963	-	1000	4300	309
Maharashtra	53	-	172	-	8	41	760	20	1000	3608	192
Orissa	323	-	-	-	25	24	951	-	1000	3264	186
Punjab	355	3	62	18	30	30	856	0	1000	5852	421
Rajasthan	104	-	0	-	15	-	985	-	1000	1964	131
Tamil Nadu	187	51	20	12	39	11	867	1	1000	10155	504
Uttar Pradesh	532	3	6	8	24	5	954	-	1000	31071	1401
West Bengal	382	10	7	11	205	10	756	1	1000	14906	788
North-Eastern	147	-	17	9	174	9	351	439	1000	526	236
North-Western	54	-	2	18	119	5	856	-	1000	1431	144
Southern	57	-	10	27	196	-	766	-	1000	141	58
India	213	9	27	10	76	13	861	3	1000	101583	5799

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	per 1000 no.of households with drinking water									no of hhs	
	per 1000 no. of hhs served by the source	known to be pollu-ted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satis-factory quality	nr	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
well											**urban**
Andhra Pradesh	67	4	47	-	10	3	936	-	1000	2944	124
Assam	194	-	-	82	133	136	650	-	1000	875	98
Bihar	191	99	5	14	31	10	779	62	1000	4404	137
Gujarat	5	-	-	-	151	-	849	-	1000	108	5
Haryana	-	-	-	-	-	-	-	-	-	-	-
Karnataka	66	-	-	6	-	12	982	-	1000	1732	84
Kerala	554	5	18	5	4	1	967	-	1000	7995	672
Madhya Pradesh	91	-	7	7	5	9	973	-	1000	2981	220
Maharashtra	25	3	11	-	-	8	978	-	1000	1723	76
Orissa	261	51	1	51	43	52	801	-	1000	2643	117
Punjab	1	-	-	-	-	-	1000	-	1000	13	1
Rajasthan	4	-	-	-	-	-	1000	-	1000	82	13
Tamil Nadu	34	30	48	8	24	13	872	4	1000	1866	189
Uttar Pradesh	36	56	9	0	1	-	934	-	1000	2092	131
West Bengal	47	15	34	25	67	0	860	-	1000	1827	119
North-Eastern	110	-	15	22	44	9	318	593	1000	392	185
North-Western	1	203	-	-	-	-	797	-	1000	36	4
Southern	90	-	-	-	45	-	955	-	1000	222	106
India	67	26	16	13	20	13	895	16	1000	31933	2281

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	per 1000 no. of hhs served by the source	per 1000 no.of households with drinking water								no of hhs	
		known to be polluted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satisfactory quality	nr	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
tank, pond reserved for drinking											**urban**
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-
Assam	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-
Gujarat	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-
Karnataka	9	-	-	-	-	-	1000	-	1000	248	12
Kerala	6	-	-	-	-	-	1000	-	1000	89	4
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	-	-	-	-	-	-	-	-	-	-	-
Orissa	0	-	-	-	-	-	1000	-	1000	1	1
Punjab	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	11	-	-	-	-	-	1000	-	1000	211	14
Tamil Nadu	4	862	-	-	-	-	138	-	1000	232	3
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-
North-Eastern	53	33	48	10	37	14	840	17	1000	189	125
North-Western	1	-	-	-	-	-	1000	-	1000	15	3
Southern	3	-	-	-	-	-	1000	-	1000	7	3
India	2	208	9	2	7	3	768	3	1000	992	165

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	per 1000 no. of hhs served by the source	per 1000 no.of households with drinking water								no of hhs	
		known to be polluted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satisfactory quality	nr	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
other tank, pond											**urban**
Andhra Pradesh	5	-	-	-	-	-	1000	-	1000	236	7
Assam	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-
Gujarat	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	-	-	-	-	-	-	-	-	-	-	-
Orissa	12	-	-	1000	-	-	-	-	1000	124	4
Punjab	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	0	-	-	-	-	-	1000	-	1000	0	1
Tamil Nadu	1	-	761	-	-	-	239	-	1000	31	2
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-
North-Eastern	15	-	-	191	-	-	809	-	1000	52	62
North-Western	0	-	-	-	-	-	1000	-	1000	9	1
Southern	-	-	-	-	-	-	-	-	-	-	-
India	1	-	52	296	-	-	652	-	1000	452	77

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	per 1000 no. of hhs served by the source	per 1000 no.of households with drinking water								no of hhs	
		known to be polluted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satisfactory quality	nr	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
											urban
river, canal, lake											
Andhra Pradesh	1	-	-	-	-	-	1000	-	1000	30	15
Assam	-	-	-	-	-	-	-	-	-	-	-
Bihar	11	-	-	998	-	-	2	-	1000	243	4
Gujarat	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-
Karnataka	3	-	-	-	-	-	1000	-	1000	74	4
Kerala	2	-	-	-	-	-	1000	-	1000	28	3
Madhya Pradesh	4	-	-	322	-	650	28	-	1000	116	4
Maharashtra	-	-	-	-	-	-	-	-	-	-	-
Orissa	12	61	-	-	-	-	939	-	1000	118	13
Punjab	0	-	-	-	-	-	1000	-	1000	1	1
Rajasthan	-	-	-	-	-	-	-	-	-	-	-
Tamil Nadu	2	807	-	-	-	-	193	-	1000	123	2
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-
West Bengal	7	59	-	-	-	-	941	-	1000	271	23
North-Eastern	16	228	-	182	14	-	576	-	1000	57	64
North-Western	-	-	-	-	-	-	-	-	-	-	-
Southern	-	-	-	-	-	-	-	-	-	-	-
India	2	127	-	273	1	71	527	-	1000	1062	133

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	per 1000 no. of hhs served by the source	per 1000 no.of households with drinking water								no of hhs	
		known to be pollu-ted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satis-factory quality	nr	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
spring											**urban**
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-
Assam	-	-	-	-	-	-	-	-	-	-	-
Bihar	0	-	-	-	-	-	1000	-	1000	7	1
Gujarat	-	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	0	-	-	-	-	-	1000	-	1000	9	1
Orissa	-	-	-	-	-	-	-	-	-	-	-
Punjab	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-	-	-	-	-	-
Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-
West Bengal	0	-	-	-	-	-	1000	-	1000	13	1
North-Eastern	88	-	4	3	-	29	964	-	1000	314	302
North-Western	1	-	-	-	-	-	1000	-	1000	39	10
Southern	-	-	-	-	-	-	-	-	-	-	-
India	1	-	3	3	-	24	970	-	1000	382	315

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State		per 1000 no. of households with drinking water								no of hhs	
	per 1000 no. of hhs served by the source	known to be polluted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satisfactory quality	nr	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
tanker											**urban**
Andhra Pradesh	48	-	15	12	-	107	866	-	1000	2114	104
Assam	-	-	-	-	-	-	-	-	-	-	-
Bihar	13	-	-	-	-	-	1000	-	1000	301	17
Gujarat	11	-	-	-	-	-	1000	-	1000	253	8
Haryana	-	-	-	-	-	-	-	-	-	-	-
											2
Karnataka	-	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	1	-	-	-	-	250	750	-	1000	39	4
Orissa	-	-	-	-	-	-	-	-	-	-	-
Punjab	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	17	-	-	-	-	-	1000	-	1000	329	5
Tamil Nadu	27	6	22	-	80	6	886	-	1000	1477	140
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-	-	-	-	-	-
North-Eastern	22	-					863	137	1000	80	22
North-Western	-	-	-	-	-	-	-	-	-	-	-
Southern	10	-	-	-	-	-	1000	-	1000	25	20
India	10	2	14	5	26	53	898	2	1000	4619	320

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	per 1000 no. of hhs served by the source	per 1000 no. of households with drinking water								no of hhs	
		known to be pollu-ted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satis-factory quality	nr	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
other											**urban**
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-
Assam	-	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	-	-	-	-	-	-	-
Gujarat	-	-	-	-	-	-	-	-	-	-	-
Haryana	2	69	-	-	-	-	931	-	1000	16	15
Karnataka	1	-	-	-	-	-	1000	-	1000	23	1
Kerala	0	-	-	-	-	-	1000	-	1000	5	1
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-	-
Maharashtra	2	-	-	-	-	-	1000	-	1000	126	5
Orissa	5	-	-	-	-	-	1000	-	1000	51	13
Punjab	-	-	-	-	-	-	-	-	-	-	-
Rajasthan	10	-	-	-	-	-	1000	-	1000	186	5
Tamil Nadu	4	-	-	-	231	-	769	-	1000	191	15
Uttar Pradesh	-	-	-	-	-	-	-	-	-	-	-
West Bengal	2	-	-	-	-	-	1000	-	1000	67	2
North-Eastern	10	65	-	35	76	-	613	211	1000	37	21
North-Western	-	-	-	-	-	-	-	-	-	-	-
Southern	1	-	-	-	-	-	1000	-	1000	3	1
India	1	5	-	2	67	-	915	11	1000	706	79

Table 9: Per 1000 distributions of households with specific principal sources of drinking water by quality of drinking water from principal source

State	per 1000 no. of hhs served by the source	per 1000 no. of households with drinking water								no of hhs	
		known to be polluted	having bad taste due to unknown causes	cloudy due to unknown causes	clean but containing excess of iron or other minerals	having other defects	of satisfactory quality	nr	total	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
											urban
all											
Andhra Pradesh	1000	48	22	25	20	21	861	3	1000	44115	2356
Assam	1000	31	65	45	197	56	604	3	1000	4504	504
Bihar	1000	40	11	48	53	16	818	13	1000	23100	1283
Gujarat	1000	4	19	60	96	2	818	0	1000	22196	1701
Haryana	1000	8	7	14	-	1	965	4	1000	10172	430
Karnataka	1000	7	-	15	13	2	962	1	1000	26262	1566
Kerala	1000	10	15	10	3	1	960	-	1000	14431	1296
Madhya Pradesh	1000	4	2	31	5	11	945	2	1000	32817	2010
Maharashtra	1000	8	19	7	2	6	957	1	1000	68505	3806
Orissa	1000	15	0	26	21	38	900	-	1000	10120	646
Punjab	1000	5	26	8	15	16	930	0	1000	16480	1295
Rajasthan	1000	16	8	2	26	3	944	0	1000	18957	1129
Tamil Nadu	1000	41	8	8	12	6	923	0	1000	54195	3138
Uttar Pradesh	1000	6	8	5	19	4	957	-	1000	58362	2792
West Bengal	1000	8	10	14	115	8	842	2	1000	39025	2222
North-Eastern	1000	9	9	18	83	21	706	155	1000	3578	2165
North-Western	1000	36	5	31	34	12	880	1	1000	26520	2124
Southern	1000	7	8	13	85	56	830	-	1000	2465	860
India	1000	19	12	18	30	10	908	3	1000	475803	31323

Table 10: Number of households per 1000 filtering / chemically treating / boiling their drinking water in different States

State	per 1000 no. of households				number of households	
	filtering		chemically treating	boiling		
	with plain cloth	by other process			estimated (00)	sample
1	2	3	4	5	6	7
						rural
Andhra Pradesh	218	36	7	26	119333	5721
Assam	117	193	67	216	35114	3243
Bihar	32	18	5	7	150028	7464
Gujarat	745	64	5	4	54468	2939
Haryana	26	8	1	4	25388	1222
Karnataka	90	13	14	28	69692	3152
Kerala	84	33	50	493	45411	2911
Madhya Pradesh	243	31	13	4	107483	5802
Maharashtra	415	26	19	12	111247	5359
Orissa	85	16	7	18	63451	3401
Punjab	1	11	4	3	27971	2533
Rajasthan	397	18	4	2	62377	3501
Tamil Nadu	76	16	15	81	96319	5324
Uttar Pradesh	3	11	7	2	230008	10003
West Bengal	46	17	8	13	110552	5312
North-Eastern	81	200	28	340	15630	6273
North-Western	43	24	14	86	21164	3816
Southern	173	77	9	366	3059	1014
India	**152**	**29**	**12**	**43**	**1348695**	**78990**
						urban
Andhra Pradesh	287	206	10	61	44115	2356
Assam	62	441	67	281	4504	504
Bihar	89	96	120	35	23100	1283
Gujarat	796	144	28	12	22196	1701
Haryana	22	37	4	20	10172	430
Karnataka	104	216	50	120	26262	1566
Kerala	35	120	114	653	14431	1296
Madhya Pradesh	465	89	26	12	32817	2010
Maharashtra	480	117	32	91	68505	3806
Orissa	194	152	5	106	10120	646
Punjab	3	28	5	16	16480	1295
Rajasthan	450	84	26	16	18957	1129
Tamil Nadu	182	133	43	337	54195	3138
Uttar Pradesh	18	41	7	12	58362	2792
West Bengal	22	164	39	50	39025	2222
North-Eastern	74	409	62	500	3578	2165
North-Western	38	175	16	90	26520	2124
Southern	106	261	12	489	2465	860
India	**227**	**129**	**33**	**110**	**475803**	**31323**

Table 11: Per 1000 distribution of households by material of container in which drinking water is stored

State	no. of households per 1000 with											no. of hhs	
	no storage	storage in container of material									all	estd (00)	sample
		earthen	plastic	other non-metal	iron (galva-nised)	copper	stain-less steel	brass	other metal	n. r.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
													rural
Andhra Pradesh	3	324	21	8	5	7	387	195	48	0	1000	119333	5721
Assam	27	444	133	40	188	2	49	31	85	0	1000	35114	3243
Bihar	142	316	15	26	371	2	19	4	105	2	1000	150028	7464
Gujarat	12	934	-	8	2	-	44	1	0	-	1000	54468	2939
Haryana	24	903	16	4	35	3	8	4	3	-	1000	25388	1222
Karnataka	1	255	55	26	11	189	368	63	32	-	1000	69692	3152
Kerala	85	54	131	46	6	7	203	7	462	-	1000	45411	2911
Madhya Pradesh	0	451	3	6	36	1	143	311	49	0	1000	107483	5802
Maharashtra	-	493	14	2	8	19	356	101	8	-	1000	111247	5359
Orissa	1	526	7	15	43	3	40	115	250	-	1000	63451	3401
Punjab	487	356	64	19	26	-	29	2	16	0	1000	27971	2533
Rajasthan	3	944	2	13	2	1	21	11	2	-	1000	62377	3501
Tamil Nadu	0	22	209	6	5	20	604	115	20	-	1000	96319	5324
Uttar Pradesh	180	135	13	16	571	24	25	18	18	0	1000	230008	10003
West Bengal	72	438	30	31	111	18	27	151	122	1	1000	110552	5312
North-Eastern	45	324	173	78	39	45	31	34	230	2	1000	15630	6273
North-Western	51	553	164	28	56	49	17	52	31	0	1000	21164	3816
Southern	9	135	132	10	32	33	603	11	35	-	1000	3059	1014
India	**69**	**371**	**42**	**17**	**162**	**21**	**161**	**86**	**70**	**0**	**1000**	**1348695**	**78990**

Table 11: Per 1000 distribution of households by material of container in which drinking water is stored

State	per 1000 no.of households with												
	no storage	storage in container of material									all	no of hhs	
		earthen	plastic	other non-metal	iron (galva-nised)	copper	stain-less steel	brass	other metal	nr		estd (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14
													urban
Andhra Pradesh	0	246	38	7	1	16	595	78	19	-	1000	44115	2356
Assam	13	95	265	47	252	3	221	13	91	-	1000	4504	504
Bihar	83	324	91	32	371	0	66	1	29	3	1000	23100	1283
Gujarat	0	894	23	10	3	1	68	1	-	-	1000	22196	1701
Haryana	26	593	127	45	110	-	90	0	9	-	1000	10172	430
Karnataka	-	104	109	13	24	70	620	22	37	-	1000	26262	1566
Kerala	137	76	193	41	4	16	307	1	224	-	1000	14431	1296
Madhya Pradesh	2	363	29	6	13	0	297	280	9	0	1000	32817	2010
Maharashtra	4	396	69	4	11	9	456	36	14	-	1000	68505	3806
Orissa	50	329	19	3	26	10	177	73	313	-	1000	10120	646
Punjab	356	158	321	33	48	-	72	1	10	-	1000	16480	1295
Rajasthan	0	893	11	7	1	3	47	32	6	1	1000	18957	1129
Tamil Nadu	6	26	144	19	1	7	733	50	14	0	1000	54195	3138
Uttar Pradesh	138	175	106	19	432	2	103	9	17	-	1000	58362	2792
West Bengal	30	218	240	48	188	14	99	81	81	0	1000	39025	2222
North-Eastern	17	81	388	158	34	24	59	7	230	2	1000	3578	2165
North-Western	27	228	467	34	42	3	185	4	9	0	1000	26520	2124
Southern	10	61	123	10	5	18	720	6	46	-	1000	2465	860
India	**45**	**288**	**129**	**20**	**100**	**10**	**322**	**50**	**36**	**0**	**1000**	**475803**	**31323**

Table 12: Per 1000 distribution of households by way in which water is taken out for drinking from the main storage container

State	no. of households per 1000 storing drinking water	no. of households per 1000 where drinking water is taken out from the main storage container						no. of hhs storing drinking water	
		using a tap	by pouring water out	by dipping in a vessel with a handle	by dipping in a vessel without a handle	n. r.	all	estd (00)	sample
1	2	3	4	5	6	7	8	9	10
									rural
Andhra Pradesh	997	18	33	81	867	1	1000	118953	5705
Assam	972	18	433	457	88	4	1000	34145	3158
Bihar	857	8	581	85	318	8	1000	128544	6417
Gujarat	988	38	10	258	693	1	1000	53838	2924
Haryana	976	8	169	104	719	-	1000	24768	1191
Karnataka	999	36	94	125	743	1	1000	69637	3150
Kerala	915	50	274	400	275	-	1000	41554	2643
Madhya Pradesh	1000	3	188	189	614	6	1000	107453	5799
Maharashtra	1000	29	21	124	824	2	1000	111247	5359
Orissa	999	6	574	59	359	1	1000	63404	3398
Punjab	513	71	407	184	337	1	1000	14341	1285
Rajasthan	997	2	117	93	787	1	1000	62196	3492
Tamil Nadu	1000	8	60	45	886	1	1000	96291	5322
Uttar Pradesh	819	12	427	59	496	5	1000	188476	8183
West Bengal	927	9	692	128	167	4	1000	102515	4933
North-Eastern	953	81	358	416	143	2	1000	14895	6004
North-Western	949	18	511	229	241	1	1000	20087	3592
Southern	991	76	67	154	703	-	1000	3033	1000
India	**931**	**17**	**288**	**131**	**561**	**3**	**1000**	**1255375**	**73555**
									urban
Andhra Pradesh	1000	151	19	64	753	12	1000	44112	2352
Assam	987	157	201	561	73	8	1000	4446	499
Bihar	914	46	357	286	310	1	1000	21119	1162
Gujarat	1000	80	13	444	464	0	1000	22195	1700
Haryana	974	85	70	309	536	-	1000	9905	421
Karnataka	1000	215	101	145	539	-	1000	26262	1566
Kerala	863	108	312	370	210	-	1000	12455	1137
Madhya Pradesh	998	25	99	482	393	1	1000	32745	2002
Maharashtra	996	182	34	170	614	1	1000	68203	3784
Orissa	950	35	358	232	375	-	1000	9617	629
Punjab	644	199	179	214	407	1	1000	10609	916
Rajasthan	999	15	32	336	617	1	1000	18943	1126
Tamil Nadu	994	55	67	92	783	3	1000	53861	3121
Uttar Pradesh	862	53	209	338	399	0	1000	50335	2430
West Bengal	970	151	395	246	204	4	1000	37837	2129
North-Eastern	981	200	168	458	169	5	1000	3511	2097
North-Western	973	195	152	439	213	-	1000	25807	2033
Southern	990	139	44	149	669	-	1000	2440	855
India	**955**	**113**	**137**	**254**	**494**	**2**	**1000**	**454404**	**29959**

Table 13: Per 1000 distribution of households by extent of sharing of principal source of drinking water, bathroom (if any) and latrine (if any used)

Rural

facility	no. of households per 1000 where the facility is available to the household alone	is shared by a restricted set of hhs	is for comm-unity use	other	n. r.	all	estd. no. of hhs (00)	no. of sample hhs
1	2	3	4	5	6	7	8	9
Andhra Pradesh								
hh's principal source of drinking water	113	80	712	94	1	1000	119333	5721
bathroom	840	153	1	2	5	1000	27606	1341
latrine used by hh member	717	226	12	11	34	1000	13730	661
Assam								
hh's principal source of drinking water	453	120	317	109	1	1000	35114	3243
bathroom	946	27	2	9	16	1000	14320	1328
latrine used by hh member	882	41	9	27	41	1000	26362	2460
Bihar								
hh's principal source of drinking water	217	240	500	41	1	1000	150028	7464
bathroom	793	106	38	2	62	1000	10150	518
latrine used by hh member	600	133	5	65	198	1000	15690	852
Gujarat								
hh's principal source of drinking water	308	170	477	45	-	1000	54468	2939
bathroom	851	141	6	3	-	1000	16280	846
latrine used by hh member	750	234	0	6	10	1000	10968	547
Haryana								
hh's principal source of drinking water	197	119	592	91	0	1000	25388	1222
bathroom	884	103	0	6	7	1000	8036	406
latrine used by hh member	787	131	22	16	44	1000	3933	183
Karnataka								
hh's principal source of drinking water	124	65	747	64	-	1000	69692	3152
bathroom	964	35	1	-	-	1000	36735	1649
latrine used by hh member	815	167	14	2	3	1000	7747	353
Kerala								
hh's principal source of drinking water	572	244	100	85	-	1000	45411	2911
bathroom	969	26	0	4	1	1000	25510	1678
latrine used by hh member	954	38	1	5	2	1000	34915	2250

Table 13: Per 1000 distribution of households by extent of sharing of principal source of drinking water, bathroom (if any) and latrine (if any used)

Rural

facility	no. of households per 1000 where the facility						estd. no. of hhs (00)	no. of sample hhs
	is available to the household alone	is shared by a restricted set of hhs	is for community use	other	n. r.	all		
1	2	3	4	5	6	7	8	9
Madhya Pradesh								
hh's principal source of drinking water	82	112	718	88	1	1000	107483	5802
bathroom	830	136	1	12	20	1000	7901	439
latrine used by hh member	514	239	9	68	170	1000	5825	312
Maharastra								rural
hh's principal source of drinking water	161	150	638	50	0	1000	111247	5359
bathroom	861	132	-	3	4	1000	21832	1021
latrine used by hh member	463	204	218	29	86	1000	15765	675
Orissa								
hh's principal source of drinking water	69	106	738	86	0	1000	63451	3401
bathroom	867	106	-	-	27	1000	1291	83
latrine used by hh member	777	182	-	22	19	1000	2443	153
Punjab								
hh's principal source of drinking water	639	228	117	15	-	1000	27971	2533
bathroom	854	133	1	6	6	1000	12664	1180
latrine used by hh member	856	115	4	11	14	1000	8963	822
Rajasthan								
hh's principal source of drinking water	151	141	589	118	1	1000	62377	3501
bathroom	862	113	7	7	11	1000	7936	508
latrine used by hh member	607	189	109	11	83	1000	8107	513
Tamil Nadu								
hh's principal source of drinking water	97	108	729	65	0	1000	96319	5324
bathroom	863	127	1	3	6	1000	18271	1032
latrine used by hh member	722	164	1	32	80	1000	11048	635
Uttar Pradesh								
hh's principal source of drinking water	402	170	351	76	1	1000	230008	10003
bathroom	778	205	9	1	6	1000	22617	981
latrine used by hh member	680	261	10	17	32	1000	21677	902

Table 13: Per 1000 distribution of households by extent of sharing of principal source of drinking water, bathroom (if any) and latrine (if any used)

Rural

facility	no. of households per 1000 where the facility					all	estd. no. of hhs (00)	no. of sample hhs
	is available to the household alone	is shared by a restricted set of hhs	is for community use	other	n. r.			
1	2	3	4	5	6	7	8	9
West Bengal								
hh's principal source of drinking water	250	124	564	59	3	1000	110552	5312
bathroom	797	173	7	4	18	1000	10471	545
latrine used by hh member	696	216	3	7	77	1000	26448	1298
North- Eastern								
hh's principal source of drinking water	181	102	617	95	5	1000	15630	6273
bathroom	839	113	7	26	16	1000	3529	2062
latrine used by hh member	774	145	7	34	39	1000	12773	4990
North-Western								
hh's principal source of drinking water	221	241	504	35	-	1000	21164	3816
bathroom	780	199	9	8	4	1000	8846	1360
latrine used by hh member	629	234	72	50	15	1000	8097	1326
Southern								
hh's principal source of drinking water	319	282	388	11	-	1000	3059	1014
bathroom	835	163	2	1	-	1000	1321	510
latrine used by hh member	856	135	1	-	8	1000	999	418
India								
hh's principal source of drinking water	233	148	548	70	1	1000	1348695	78990
bathroom	872	112	4	4	8	1000	255317	17487
latrine used by hh member	744	155	26	21	53	1000	235489	19350

Table 13: Per 1000 distribution of households by extent of sharing of principal source of drinking water, bathroom (if any) and latrine (if any used)

Urban

facility	no. of households per 1000 where the facility						estd. no. of hhs (00)	no. of sample hhs
	is available to the household alone	is shared by a restricted set of hhs	is for community use	other	n. r.	all		
1	2	3	4	5	6	7	8	9
Andhra Pradesh								
hh's principal source of drinking water	196	265	441	99	-	1000	44115	2356
bathroom	671	319	4	1	5	1000	31648	1652
latrine used by hh member	626	345	16	6	6	1000	30477	1570
Assam								
hh's principal source of drinking water	552	251	151	45	1	1000	4504	504
bathroom	736	238	8	18	-	1000	3895	430
latrine used by hh member	686	235	24	51	4	1000	4415	489
Bihar								
hh's principal source of drinking water	359	276	345	19	2	1000	23100	1283
bathroom	731	222	37	5	4	1000	9805	579
latrine used by hh member	664	289	18	16	13	1000	12577	761
Gujarat								
hh's principal source of drinking water	592	193	158	57	-	1000	22196	1701
bathroom	871	120	6	2	1	1000	15716	1069
latrine used by hh member	737	202	57	3	2	1000	17516	1263
Haryana								
hh's principal source of drinking water	528	285	176	11	-	1000	10172	430
bathroom	793	207	-	-	-	1000	7300	269
latrine used by hh member	768	224	8	-	0	1000	6824	244
Karnataka								
hh's principal source of drinking water	398	258	301	42	-	1000	26262	1566
bathroom	880	117	1	2	-	1000	19164	1063
latrine used by hh member	641	324	34	1	-	1000	18376	1010

Table 13: Per 1000 distribution of households by extent of sharing of principal source of drinking water, bathroom (if any) and latrine (if any used)

Urban

facility	no. of households per 1000 where the facility						estd. no. of hhs (00)	no. of sample hhs
	is available to the household alone	is shared by a restricted set of hhs	is for community use	other	n. r.	all		
1	2	3	4	5	6	7	8	9
Kerala								
hh's principal source of drinking water	647	217	100	37	-	1000	14431	1296
bathroom	867	122	9	2	-	1000	12532	1058
latrine used by hh member	858	140	1	2	-	1000	13701	1176
Madhya Pradesh								
hh's principal source of drinking water	381	220	353	45	0	1000	32817	2010
bathroom	851	137	0	-	11	1000	19730	1041
latrine used by hh member	694	169	18	11	108	1000	17991	1029
Maharastra								
hh's principal source of drinking water	505	301	164	30	0	1000	68505	3806
bathroom	843	140	8	2	6	1000	41508	2154
latrine used by hh member	464	285	243	2	5	1000	57666	2980
Orissa								
hh's principal source of drinking water	261	222	480	37	-	1000	10120	646
bathroom	810	181	-	8	1	1000	4634	270
latrine used by hh member	714	255	-	6	25	1000	6498	360
Punjab								
hh's principal source of drinking water	569	389	37	4	-	1000	16480	1295
bathroom	682	310	-	7	1	1000	11397	940
latrine used by hh member	615	371	3	2	9	1000	14033	1037
Rajasthan								
hh's principal source of drinking water	502	322	125	49	2	1000	18957	1129
bathroom	666	329	1	2	2	1000	12484	771
latrine used by hh member	654	322	8	6	9	1000	14128	839
Tamil Nadu								
hh's principal source of drinking water	210	347	411	31	1	1000	54195	3138
bathroom	673	296	23	8	1	1000	38426	2003
latrine used by hh member	597	373	24	2	3	1000	36575	2021

Table 13: Per 1000 distribution of households by extent of sharing of principal source of drinking water, bathroom (if any) and latrine (if any used)

Urban

facility	no. of households per 1000 where the facility					all	estd. no. of hhs (00)	no. of sample hhs
	is available to the household alone	is shared by a restricted set of hhs	is for community use	other	n. r.			
1	2	3	4	5	6	7	8	9
Uttar Pradesh								
hh's principal source of drinking water	499	239	247	16	-	1000	58362	2792
bathroom	685	215	96	0	4	1000	31285	1366
latrine used by hh member	656	253	80	2	9	1000	41903	1952
West Bengal								
hh's principal source of drinking water	258	208	518	16	0	1000	39025	2222
bathroom	604	374	13	2	6	1000	24010	1329
latrine used by hh member	542	419	29	6	3	1000	33099	1812
North - Eastern								
hh's principal source of drinking water	355	312	283	45	5	1000	3578	2165
bathroom	734	239	2	4	22	1000	2134	1370
latrine used by hh member	614	357	1	14	14	1000	3484	2088
North-Western								
hh's principal source of drinking water	634	194	168	4	-	1000	26520	2124
bathroom	776	217	6	1	0	1000	20115	1567
latrine used by hh member	616	232	148	0	4	1000	23371	1757
Southern								
hh's principal source of drinking water	570	248	175	7	-	1000	2465	860
bathroom	855	144	0	-	1	1000	1879	620
latrine used by hh member	820	160	12	-	8	1000	1777	585
India								
hh's principal source of drinking water	413	266	286	35	0	1000	475803	31323
bathroom	750	226	18	3	4	1000	307663	19551
latrine used by hh member	619	292	74	5	11	1000	354410	22973

Table 14: Particulars of availability of bathroom and adequacy of bathing water

State	number of households per 1000 with bathroom attached to dwelling unit	bathroom detached from dwelling unit	no bathroom	n. r.	all	per 1000 no.of hhs without enough water for a daily bath	no. of hhs estd. (00)	sample
1	2	3	4	5	6	7	8	9
								rural
Andhra Pradesh	40	191	769	0	1000	49	119333	5721
Assam	14	394	591	2	1000	23	35114	3243
Bihar	22	45	930	2	1000	38	150028	7464
Gujarat	133	166	701	0	1000	63	54468	2939
Haryana	137	179	683	1	1000	23	25388	1222
Karnataka	363	164	473	-	1000	26	69692	3152
Kerala	191	371	438	-	1000	57	45411	2911
Madhya Pradesh	20	54	926	1	1000	21	107483	5802
Maharashtra	114	82	802	1	1000	35	111247	5359
Orissa	5	16	979	1	1000	75	63451	3401
Punjab	186	267	547	-	1000	22	27971	2533
Rajasthan	52	75	872	0	1000	37	62377	3501
Tamil Nadu	64	126	809	2	1000	25	96319	5324
Uttar Pradesh	33	66	901	0	1000	14	230008	10003
West Bengal	17	78	904	1	1000	35	110552	5312
North-Eastern	65	160	769	5	1000	45	15630	6273
North-Western	219	199	580	2	1000	37	21164	3816
Southern	197	235	568	-	1000	26	3059	1014
India	**73**	**116**	**810**	**1**	**1000**	**34**	**1348695**	**78990**
								urban
Andhra Pradesh	200	518	282	0	1000	38	44115	2356
Assam	173	692	134	1	1000	41	4504	504
Bihar	264	161	571	4	1000	48	23100	1283
Gujarat	487	221	292	-	1000	92	22196	1701
Haryana	433	285	282	-	1000	62	10172	430
Karnataka	531	199	270	-	1000	58	26262	1566
Kerala	485	384	132	-	1000	25	14431	1296
Madhya Pradesh	251	350	397	2	1000	11	32817	2010
Maharashtra	493	113	394	0	1000	18	68505	3806
Orissa	168	290	542	-	1000	72	10120	646
Punjab	433	258	307	2	1000	9	16480	1295
Rajasthan	308	350	340	2	1000	58	18957	1129
Tamil Nadu	338	371	291	0	1000	22	54195	3138
Uttar Pradesh	224	312	463	0	1000	16	58362	2792
West Bengal	260	355	383	2	1000	51	39025	2222
North-Eastern	336	260	399	5	1000	111	3578	2165
North-Western	481	278	241	1	1000	45	26520	2124
Southern	515	247	238	-	1000	19	2465	860
India	**347**	**299**	**353**	**1**	**1000**	**35**	**475803**	**31323**

Table 15: Per 1000 distribution of households not having a bathroom by distance from usual bathing place

State	no. of households per 1000 with usual bathing place									no of households having no bathroom	
	within dwelling	outside dwelling but within premises	outside premises at distance					n. r.	all	estimated (00)	sample
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km				
1	2	3	4	5	6	7	8	9	10	11	12
											rural
Andhra Pradesh	121	792	72	6	0	-	1	9	1000	91709	4379
Assam	69	589	279	40	13	-	-	10	1000	20736	1908
Bihar	213	250	451	53	5	5	6	17	1000	139547	6930
Gujarat	216	626	137	13	8	-	0	1	1000	38166	2092
Haryana	654	331	15	-	-	-	-	-	1000	17330	815
Karnataka	698	257	42	2	-	-	-	-	1000	32957	1503
Kerala	28	644	226	67	29	1	3	2	1000	19901	1233
Madhya Pradesh	54	366	426	117	26	3	1	7	1000	99500	5358
Maharashtra	202	752	40	1	0	-	-	5	1000	89254	4329
Orissa	8	48	594	238	86	14	8	4	1000	62097	3315
Punjab	509	465	19	5	1	-	-	1	1000	15307	1353
Rajasthan	195	420	258	98	21	5	0	3	1000	54416	2992
Tamil Nadu	80	462	333	100	18	2	1	4	1000	77890	4284
Uttar Pradesh	447	367	165	14	3	0	0	4	1000	207310	9017
West Bengal	18	167	682	118	3	-	0	12	1000	99923	4760
North-Eastern	77	448	414	31	9	0	16	5	1000	12022	4191
North-Western	290	496	146	30	10	5	13	9	1000	12286	2449
Southern	299	490	197	13	-	-	-	1	1000	1738	504
India	214	410	292	60	12	2	2	7	1000	1092089	61412

Table 15: Per 1000 distribution of households not having a bathroom by distance from usual bathing place

State	no. of households per 1000 with usual bathing place									no of households having no bathroom	
	within dwelling	outside dwelling but within premises	outside premises at distance					n. r.	all		
			< 0.2 km	0.2 - 0.5 km	0.5 - 1 km	1 - 1.6 km	> 1.6 km			estimated (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12
											urban
Andhra Pradesh	194	711	76	8	-	-	0	12	1000	12448	703
Assam	36	777	133	-	-	-	-	53	1000	604	73
Bihar	254	280	364	99	1	-	0	2	1000	13193	697
Gujarat	509	413	62	4	-	-	-	12	1000	6480	632
Haryana	786	193	-	20	-	-	-	-	1000	2872	161
Karnataka	720	194	86	-	-	-	0	-	1000	7098	503
Kerala	128	634	133	62	43	0	-	-	1000	1899	238
Madhya Pradesh	196	536	214	38	-	0	0	17	1000	13025	966
Maharashtra	642	290	54	7	-	-	-	7	1000	26967	1651
Orissa	146	220	419	126	85	-	-	4	1000	5485	376
Punjab	370	580	35	-	-	-	4	10	1000	5053	354
Rajasthan	540	364	64	26	-	2	3	0	1000	6441	357
Tamil Nadu	154	586	231	14	2	0	1	12	1000	15768	1133
Uttar Pradesh	637	283	74	2	-	-	-	4	1000	27050	1425
West Bengal	78	318	549	35	3	-	-	17	1000	14956	892
North-Eastern	174	540	267	7	-	-	0	13	1000	1428	785
North-Western	506	288	144	4	2	1	-	55	1000	6379	555
Southern	197	696	83	16	-	-	-	7	1000	586	240
India	400	386	175	24	4	0	0	10	1000	167733	11741

Table 16: Per 1000 distribution of households by type of latrine used

State	number of households per 1000 using a latrine of type								no. of hhs	
	no latrine used	service latrine	septic tank	pour flush pit	sewe-rage system	other	n. r.	all	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11
										rural
Andhra Pradesh	885	11	93	6	1	4	0	1000	119333	5721
Assam	247	193	54	65	131	308	2	1000	35114	3243
Bihar	894	16	45	13	5	26	1	1000	150028	7464
Gujarat	799	4	153	25	18	1	0	1000	54468	2939
Haryana	845	10	76	51	13	4	-	1000	25388	1222
Karnataka	889	3	26	77	2	3	-	1000	69692	3152
Kerala	231	29	260	293	9	177	-	1000	45411	2911
Madhya Pradesh	946	11	34	8	-	1	0	1000	107483	5802
Maharashtra	858	16	116	3	3	3	-	1000	111247	5359
Orissa	961	9	17	5	1	6	-	1000	63451	3401
Punjab	679	9	168	42	13	89	0	1000	27971	2533
Rajasthan	870	34	33	23	0	40	-	1000	62377	3501
Tamil Nadu	885	8	79	9	6	13	-	1000	96319	5324
Uttar Pradesh	906	29	45	12	2	6	0	1000	230008	10003
West Bengal	761	63	90	26	7	52	0	1000	110552	5312
North-Eastern	181	105	82	46	64	520	1	1000	15630	6273
North-Western	617	96	168	42	6	70	0	1000	21164	3816
Southern	673	2	231	48	-	46	-	1000	3059	1014
India	**825**	**27**	**75**	**29**	**8**	**35**	**0**	**1000**	**1348695**	**78990**
										urban
Andhra Pradesh	308	12	429	46	179	24	1	1000	44115	2356
Assam	20	201	611	33	10	125	-	1000	4504	504
Bihar	453	52	452	36	2	3	2	1000	23100	1283
Gujarat	211	18	338	72	358	4	-	1000	22196	1701
Haryana	329	97	75	165	323	11	-	1000	10172	430
Karnataka	300	18	220	181	274	7	-	1000	26262	1566
Kerala	51	36	488	255	78	93	-	1000	14431	1296
Madhya Pradesh	452	62	403	49	35	0	0	1000	32817	2010
Maharashtra	158	16	303	46	474	3	-	1000	68505	3806
Orissa	358	77	505	34	8	17	-	1000	10120	646
Punjab	148	13	234	65	503	37	-	1000	16480	1295
Rajasthan	255	52	333	193	72	96	-	1000	18957	1129
Tamil Nadu	325	30	338	65	223	18	-	1000	54195	3138
Uttar Pradesh	282	177	322	107	110	1	-	1000	58362	2792
West Bengal	152	51	558	72	110	58	-	1000	39025	2222
North-Eastern	24	104	483	22	14	351	2	1000	3578	2165
North-Western	119	135	113	101	496	36	-	1000	26520	2124
Southern	279	4	500	47	142	29	-	1000	2465	860
India	**255**	**59**	**352**	**84**	**225**	**25**	**0**	**1000**	**475803**	**31323**

Table 17: Per 1000 distribution of households using a latrine by distance from latrine used

State	number of households per 1000 using a latrine						number of households using a latrine	
	within dwelling	outside dwelling but within premises	outside premises at distance		n. r.	all	estimated (00)	sample
			< 0.5 km	beyond 0.5 km				
1	2	3	4	5	6	7	8	9
								rural
Andhra Pradesh	194	698	55	8	46	1000	13730	661
Assam	84	811	98	1	6	1000	26362	2460
Bihar	412	313	59	33	184	1000	15690	852
Gujarat	364	456	158	4	18	1000	10968	547
Haryana	571	314	85	4	26	1000	3933	183
Karnataka	261	630	89	18	3	1000	7747	353
Kerala	296	673	22	3	6	1000	34915	2250
Madhya Pradesh	242	491	92	3	173	1000	5825	312
Maharashtra	187	436	241	11	126	1000	15765	675
Orissa	195	752	1	8	43	1000	2443	153
Punjab	499	433	49	1	18	1000	8963	822
Rajasthan	299	578	63	11	49	1000	8107	513
Tamil Nadu	413	430	46	26	85	1000	11048	635
Uttar Pradesh	493	392	55	21	39	1000	21677	902
West Bengal	137	660	83	5	115	1000	26448	1298
North-Eastern	85	809	82	1	23	1000	12773	4990
North-Western	222	593	134	7	43	1000	8097	1326
Southern	334	562	94	1	9	1000	999	418
India	**271**	**582**	**81**	**9**	**57**	**1000**	**235489**	**19350**
								urban
Andhra Pradesh	336	569	41	16	38	1000	30477	1570
Assam	327	587	74	-	12	1000	4415	489
Bihar	603	364	16	-	17	1000	12577	761
Gujarat	592	304	104	0	-	1000	17516	1263
Haryana	635	354	12	-	0	1000	6824	244
Karnataka	500	426	73	-	1	1000	18376	1010
Kerala	584	401	10	5	0	1000	13701	1176
Madhya Pradesh	572	296	37	1	94	1000	17991	1029
Maharashtra	412	341	236	3	9	1000	57666	2980
Orissa	250	621	1	128	-	1000	6498	360
Punjab	646	335	15	2	2	1000	14033	1037
Rajasthan	532	426	21	14	8	1000	14128	839
Tamil Nadu	353	566	70	1	9	1000	36575	2021
Uttar Pradesh	682	292	21	0	5	1000	41903	1952
West Bengal	346	515	75	1	63	1000	33099	1812
North-Eastern	245	698	30	1	26	1000	3484	2088
North-Western	702	140	152	3	3	1000	23371	1757
Southern	660	307	27	-	6	1000	1777	585
India	**493**	**399**	**83**	**5**	**19**	**1000**	**354410**	**22973**

Table 18: Per 1000 distribution of households by system of sharing of latrine used

State	number of households per 1000								number of households using a latrine	
	with sole access to a latrine	sharing more than one latrine jointly with a restricted set of hhs	sharing a single latrine with a restricted set of hhs		using a comm -unity latrine	other	n. r.	all		
			1 - 2 other hhs	3 or more other hhs					estd. (00)	sam-ple
1	2	3	4	5	6	7	8	9	10	11
										rural
Andhra Pradesh	717	46	165	15	12	11	34	1000	13730	661
Assam	882	13	23	6	9	27	41	1000	26362	2460
Bihar	600	10	67	55	5	65	198	1000	15690	852
Gujarat	750	144	65	25	0	6	10	1000	10968	547
Haryana	787	6	119	6	22	16	44	1000	3933	183
Karnataka	815	79	72	16	14	2	3	1000	7747	353
Kerala	954	7	26	5	1	5	2	1000	34915	2250
Madhya Pradesh	514	55	174	11	9	68	170	1000	5825	312
Maharashtra	463	50	113	41	218	29	86	1000	15765	675
Orissa	777	24	68	90	-	22	19	1000	2443	153
Punjab	856	6	99	10	4	11	14	1000	8963	822
Rajasthan	607	20	144	26	109	11	83	1000	8107	513
Tamil Nadu	722	42	102	20	1	32	80	1000	11048	635
Uttar Pradesh	680	20	143	98	10	17	32	1000	21677	902
West Bengal	696	22	130	64	3	7	77	1000	26448	1298
North-Eastern	774	17	106	23	7	34	39	1000	12773	4990
North-Western	629	90	100	45	72	50	15	1000	8097	1326
Southern	856	27	92	16	1	-	8	1000	999	418
India	**744**	**30**	**92**	**33**	**26**	**21**	**53**	**1000**	**235489**	**19350**
										urban
Andhra Pradesh	626	59	220	67	16	6	6	1000	30477	1570
Assam	686	59	95	80	24	51	4	1000	4415	489
Bihar	664	117	99	73	18	16	13	1000	12577	761
Gujarat	737	53	109	40	57	3	2	1000	17516	1263
Haryana	768	59	152	12	8	-	0	1000	6824	244
Karnataka	641	87	172	65	34	1	-	1000	18376	1010
Kerala	858	58	56	25	1	2	-	1000	13701	1176
Madhya Pradesh	694	51	90	26	18	11	108	1000	17991	1029
Maharashtra	464	191	54	36	243	2	5	1000	57666	2980
Orissa	714	39	76	140	-	6	25	1000	6498	360
Punjab	615	70	169	132	3	2	9	1000	14033	1037
Rajasthan	654	88	195	40	8	6	9	1000	14128	839
Tamil Nadu	597	162	127	84	24	2	3	1000	36575	2021
Uttar Pradesh	656	54	146	53	80	2	9	1000	41903	1952
West Bengal	542	147	118	155	29	6	3	1000	33099	1812
North-Eastern	614	90	176	92	1	14	14	1000	3484	2088
North-Western	616	58	83	92	148	0	4	1000	23371	1757
Southern	820	31	86	43	12	-	8	1000	1777	585
India	**619**	**103**	**121**	**69**	**73**	**5**	**11**	**1000**	**354410**	**22973**

Table 19: Per 1000 distribution of households by arrangement for removal of garbage from house

State	number of households per 1000 reporting removal of garbage by						no. of hhs	
	local authorities	private arrangement among residents	household members	other arrangement	n. r.	all	estd. (00)	sample
1	2	3	4	5	6	7	8	9
								rural
Andhra Pradesh	24	21	944	10	0	1000	119333	5721
Assam	-	12	919	67	2	1000	35114	3243
Bihar	1	32	871	95	1	1000	150028	7464
Gujarat	12	8	909	71	-	1000	54468	2939
Haryana	1	12	942	43	1	1000	25388	1222
Karnataka	3	10	968	19	-	1000	69692	3152
Kerala	1	6	977	16	-	1000	45411	2911
Madhya Pradesh	2	48	913	37	-	1000	107483	5802
Maharashtra	7	5	981	7	0	1000	111247	5359
Orissa	1	4	984	10	1	1000	63451	3401
Punjab	6	25	946	22	1	1000	27971	2533
Rajasthan	9	25	948	18	-	1000	62377	3501
Tamil Nadu	17	6	960	17	0	1000	96319	5324
Uttar Pradesh	5	21	963	11	0	1000	230008	10003
West Bengal	0	7	955	36	2	1000	110552	5312
North-Eastern	5	25	809	156	5	1000	15630	6273
North-Western	14	26	936	24	-	1000	21164	3816
Southern	76	3	826	96	-	1000	3059	1014
India	**7**	**18**	**942**	**32**	**1**	**1000**	**1348695**	**78990**
								urban
Andhra Pradesh	145	81	753	22	-	1000	44115	2356
Assam	40	93	781	87	-	1000	4504	504
Bihar	20	76	826	76	2	1000	23100	1283
Gujarat	288	91	609	13	-	1000	22196	1701
Haryana	84	146	769	1	-	1000	10172	430
Karnataka	204	48	703	45	-	1000	26262	1566
Kerala	24	19	934	23	-	1000	14431	1296
Madhya Pradesh	57	67	849	26	1	1000	32817	2010
Maharashtra	69	226	652	53	-	1000	68505	3806
Orissa	30	4	964	2	0	1000	10120	646
Punjab	34	136	787	43	-	1000	16480	1295
Rajasthan	151	88	746	15	-	1000	18957	1129
Tamil Nadu	179	30	764	27	0	1000	54195	3138
Uttar Pradesh	144	145	690	21	-	1000	58362	2792
West Bengal	287	88	597	28	1	1000	39025	2222
North-Eastern	49	38	775	131	6	1000	3578	2165
North-Western	179	398	408	15	-	1000	26520	2124
Southern	215	60	719	6	-	1000	2465	860
India	**137**	**119**	**712**	**32**	**0**	**1000**	**475803**	**31323**

Table 20: Per 1000 distribution of households by site where garbage is taken after removal from house

State	number of households per 1000 reporting garbage being taken to										number of households	
	bio-gas plant or manure pit	community dumping spot and being removed from there with periodicity: daily	not daily but at least once a week	less than once a week	un-known	all	hh's indi-vidual dumping spot(s)	other	n. r.	all	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13
												rural
Andhra Pradesh	57	11	33	21	19	87	694	161	1	1000	119333	5721
Assam	2	1	1	-	2	4	795	197	3	1000	35114	3243
Bihar	16	3	4	1	3	13	559	409	3	1000	150028	7464
Gujarat	37	50	53	0	25	129	424	410	0	1000	54468	2939
Haryana	54	9	14	17	4	44	662	238	2	1000	25388	1222
Karnataka	32	0	11	28	6	46	808	115	-	1000	69692	3152
Kerala	3	0	1	-	-	2	762	234	-	1000	45411	2911
Madhya Pradesh	161	1	2	1	4	10	670	157	2	1000	107483	5802
Maharashtra	148	2	16	7	10	39	618	195	1	1000	111247	5359
Orissa	5	8	-	1	1	10	833	150	2	1000	63451	3401
Punjab	47	6	40	54	11	111	434	407	1	1000	27971	2533
Rajasthan	128	3	14	10	1	29	654	189	-	1000	62377	3501
Tamil Nadu	38	10	31	13	22	77	716	168	1	1000	96319	5324
Uttar Pradesh	106	5	5	4	2	16	661	217	0	1000	230008	10003
West Bengal	38	3	1	1	1	7	776	172	6	1000	110552	5312
North-Eastern	7	3	5	2	1	13	517	457	6	1000	15630	6273
North-Western	86	12	20	4	9	46	454	414	1	1000	21164	3816
Southern	40	21	29	0	2	53	480	426	-	1000	3059	1014
India	**69**	**7**	**13**	**8**	**7**	**35**	**666**	**228**	**2**	**1000**	**1348695**	**78990**

Table 20: Per 1000 distribution of households by site where garbage is taken after removal from house

State	number of households per 1000 reporting garbage being taken to										number of households	
	bio-gas plant or manure pit	community dumping spot and being removed from there with periodicity					hh's indi-vidual dumping spot(s)	other	n. r.	all		
		daily	not daily but at least once a week	less than once a week	un-known	all					estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13
												urban
Andhra Pradesh	11	62	409	45	43	559	298	131	1	1000	44115	2356
Assam	1	15	35	105	45	204	559	236	-	1000	4504	504
Bihar	16	1	109	19	14	143	479	359	4	1000	23100	1283
Gujarat	28	306	197	15	54	572	220	179	-	1000	22196	1701
Haryana	56	200	67	88	1	356	214	374	-	1000	10172	430
Karnataka	10	84	296	68	81	529	261	200	-	1000	26262	1566
Kerala	22	25	48	4	0	76	752	150	-	1000	14431	1296
Madhya Pradesh	15	97	190	45	15	350	337	296	1	1000	32817	2010
Maharashtra	19	285	368	21	30	704	115	160	1	1000	68505	3806
Orissa	-	130	102	16	15	263	615	122	-	1000	10120	646
Punjab	2	85	197	20	149	454	152	392	-	1000	16480	1295
Rajasthan	1	89	137	19	82	327	277	395	-	1000	18957	1129
Tamil Nadu	31	178	232	60	20	491	328	149	1	1000	54195	3138
Uttar Pradesh	4	169	139	25	17	350	322	324	1	1000	58362	2792
West Bengal	3	96	342	20	38	498	366	131	1	1000	39025	2222
North-Eastern	0	27	103	25	36	192	476	322	9	1000	3578	2165
North-Western	6	150	445	89	49	733	126	134	0	1000	26520	2124
Southern	5	65	399	94	33	591	307	98	-	1000	2465	860
India	**14**	**144**	**252**	**38**	**37**	**472**	**296**	**217**	**1**	**1000**	**475803**	**31323**

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for					
	cooking		bathing		washing utensils	
	principal source	supplementary source (if any)	principal source	supplementary source (if any)	principal source	supplementary source (if any)
1	2	3	4	5	6	7
Andhra Pradesh						**rural**
tap	247	26	209	23	209	25
tubewell, hand pump	477	422	507	359	511	357
well	212	429	216	465	218	468
tank/pond reserved for drinking	26	35	22	45	22	46
other tank/pond	6	16	13	26	12	23
river/canal/lake	23	46	26	61	20	60
spring	2	3	3	3	3	3
tanker	0	11	0	6	0	7
other	5	12	3	11	3	11
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	119333	28299	119333	27956	119333	27083
no. of sample hhs	5721	1365	5721	1322	5721	1273
Assam						**rural**
tap	67	49	28	36	29	40
tubewell, hand pump	496	183	470	218	482	155
well	270	89	246	129	265	111
tank/pond reserved for drinking	15	36	19	29	22	32
other tank/pond	85	284	114	276	119	331
river/canal/lake	44	287	96	255	65	252
spring	15	61	18	49	8	71
tanker	-	-	-	-	-	-
other	9	10	9	8	9	8
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	35114	6608	35114	8313	35114	7703
no. of sample hhs	3243	585	3243	742	3243	681
Bihar						**rural**
tap	2	7	1	4	3	18
tubewell, hand pump	718	375	662	261	686	359
well	271	442	271	356	299	366
tank/pond reserved for drinking	0	2	1	25	1	-
other tank/pond	1	24	34	117	4	60
river/canal/lake	2	103	25	190	4	147
spring	3	2	3	11	3	13
tanker	-	4	-	2	-	3
other	0	42	1	33	1	34
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	150028	16694	150028	21109	150028	16887
no. of sample hhs	7464	854	7464	1085	7464	882

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for					
	cooking		bathing		washing utensils	
	principal source	supplementary source (if any)	principal source	supplementary source (if any)	principal source	supplementary source (if any)
1	2	3	4	5	6	7
Gujarat						**rural**
tap	468	51	456	72	454	85
tubewell, hand pump	320	219	334	279	338	281
well	157	409	149	362	151	382
tank/pond reserved for drinking	26	147	20	111	19	107
other tank/pond	0	97	7	82	15	72
river/canal/lake	7	20	13	80	5	62
spring	-	0	-	4	-	0
tanker	22	53	22	8	17	8
other	0	3	0	2	0	2
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	54468	6545	54468	9576	54468	9726
no. of sample hhs	2939	373	2939	538	2939	548
Haryana						**rural**
tap	332	393	431	225	435	224
tubewell, hand pump	486	389	451	497	449	509
well	181	209	107	255	108	250
tank/pond reserved for drinking	-	-	-	-	-	-
other tank/pond	-	-	1	3	-	-
river/canal/lake	-	0	7	11	6	8
spring	-	9	-	9	-	9
tanker	-	-	-	-	-	-
other	-	-	1	-	1	-
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	25388	9886	25388	10168	25388	10145
no. of sample hhs	1222	469	1222	481	1222	480
Karnataka						**rural**
tap	269	24	265	32	266	36
tubewell, hand pump	540	562	549	572	549	542
well	152	296	147	295	147	304
tank/pond reserved for drinking	19	28	19	8	19	7
other tank/pond	1	8	2	9	1	10
river/canal/lake	14	74	14	72	14	92
spring	0	-	-	-	-	-
tanker	0	1	0	1	0	1
other	3	6	3	10	4	7
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	69692	16446	69692	17679	69692	19020
no. of sample hhs	3152	735	3152	780	3152	838

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for					
	cooking		bathing		washing utensils	
	principal source	supplementary source (if any)	principal source	supplementary source (if any)	principal source	supplementary source (if any)
1	2	3	4	5	6	7
Kerala						**rural**
tap	106	158	86	146	93	186
tubewell, hand pump	12	55	15	48	15	56
well	826	684	748	490	808	576
tank/pond reserved for drinking	31	23	28	14	29	18
other tank/pond	7	27	34	123	18	58
river/canal/lake	1	21	67	140	18	69
spring	3	7	8	23	4	12
tanker	-	20	0	9	0	16
other	14	4	14	7	14	8
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	45411	8718	45411	11359	45411	9859
no. of sample hhs	2911	561	2911	734	2911	634
Madhya Pradesh						**rural**
tap	52	45	38	34	47	51
tubewell, hand pump	544	331	378	349	534	299
well	371	522	340	425	377	483
tank/pond reserved for drinking	0	1	20	3	1	3
other tank/pond	1	8	120	60	4	71
river/canal/lake	19	47	84	93	24	45
spring	13	42	18	33	12	45
tanker	0	-	0	-	0	-
other	0	3	2	3	0	2
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	107483	24021	107483	30191	107483	24839
no. of sample hhs	5802	1249	5802	1572	5802	1290
Maharashtra						**rural**
tap	409	15	404	23	404	23
tubewell, hand pump	246	325	239	327	240	329
well	299	514	306	505	305	505
tank/pond reserved for drinking	-	-	-	-	-	-
other tank/pond	-	13	0	23	0	23
river/canal/lake	26	28	32	30	32	28
spring	14	16	14	6	14	6
tanker	3	87	3	86	3	86
other	2	2	0	1	0	1
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	111247	27207	111247	27387	111247	27385
no. of sample hhs	5359	1339	5359	1349	5359	1351

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for					
	cooking		bathing		washing utensils	
	principal source	supplementary source (if any)	principal source	supplementary source (if any)	principal source	supplementary source (if any)
1	2	3	4	5	6	7
Orissa						**rural**
tap	32	24	8	30	24	21
tubewell, hand pump	520	370	103	393	441	335
well	323	253	105	288	303	226
tank/pond reserved for drinking	14	70	52	16	19	70
other tank/pond	26	71	471	122	104	164
river/canal/lake	28	128	169	75	47	132
spring	26	32	66	36	38	13
tanker	4	-	1	5	4	-
other	24	51	25	36	19	40
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	63451	22286	63451	24280	63451	23804
no. of sample hhs	3401	1166	3401	1266	3401	1237
Punjab						**rural**
tap	157	337	152	273	151	394
tubewell, hand pump	822	628	827	686	828	556
well	19	16	19	19	19	30
tank/pond reserved for drinking	-	-	-	-	-	-
other tank/pond	-	18	-	22	-	19
river/canal/lake	1	0	1	0	1	0
spring	-	-	-	-	1	-
tanker	-	-	-	-	-	-
other	1	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	27971	2689	27971	2213	27971	2481
no. of sample hhs	2533	246	2533	205	2533	228
Rajasthan						**rural**
tap	199	11	198	9	201	10
tubewell, hand pump	360	317	335	354	370	320
well	323	404	327	365	318	397
tank/pond reserved for drinking	61	52	65	47	60	53
other tank/pond	23	112	21	121	17	116
river/canal/lake	24	31	45	43	25	32
spring	-	-	-	-	-	-
tanker	2	66	2	56	2	66
other	8	7	8	6	8	7
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	62377	12349	62377	14359	62377	12004
no. of sample hhs	3501	680	3501	765	3501	658

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for: cooking, principal source	cooking, supplementary source (if any)	bathing, principal source	bathing, supplementary source (if any)	washing utensils, principal source	washing utensils, supplementary source (if any)
1	2	3	4	5	6	7
						rural
Tamil Nadu						
tap	492	91	348	110	404	124
tubewell, hand pump	333	449	351	384	408	420
well	132	340	145	291	132	300
tank/pond reserved for drinking	20	41	14	24	12	22
other tank/pond	7	22	64	75	32	50
river/canal/lake	8	29	69	98	7	58
spring	2	9	1	7	1	8
tanker	5	2	2	1	2	2
other	0	18	6	10	1	17
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	96319	34515	96319	43820	96319	36940
no. of sample hhs	5324	1986	5324	2460	5324	2106
						rural
Uttar Pradesh						
tap	51	30	51	32	51	37
tubewell, hand pump	713	454	712	411	713	432
well	182	329	180	364	181	346
tank/pond reserved for drinking	2	3	3	-	2	3
other tank/pond	-	-	0	7	0	1
river/canal/lake	1	62	2	82	1	66
spring	51	98	51	83	50	93
tanker	-	-	-	-	-	-
other	1	24	1	21	1	23
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	230008	13337	230008	14918	230008	13972
no. of sample hhs	10003	617	10003	671	10003	639
						rural
West Bengal						
tap	39	88	13	18	13	40
tubewell, hand pump	705	451	280	534	321	548
well	109	123	60	68	72	55
tank/pond reserved for drinking	3	5	9	13	8	17
other tank/pond	139	255	595	262	573	267
river/canal/lake	1	30	38	84	8	50
spring	2	28	2	13	2	14
tanker	-	-	-	-	-	-
other	1	21	1	10	2	9
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	110552	16421	110552	32422	110552	30814
no. of sample hhs	5312	789	5312	1580	5312	1491

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for					
	cooking		bathing		washing utensils	
	principal source	supplementary source (if any)	principal source	supplementary source (if any)	principal source	supplementary source (if any)
1	2	3	4	5	6	7
North-Eastern						**rural**
tap	295	71	195	75	206	97
tubewell, hand pump	163	230	76	147	91	172
well	140	182	125	146	132	151
tank/pond reserved for drinking	51	83	60	96	60	81
other tank/pond	60	110	235	175	209	150
river/canal/lake	38	122	85	167	68	145
spring	209	156	188	152	196	169
tanker	0	1	0	5	0	1
other	35	45	28	37	33	34
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	15630	5336	15630	5030	15630	4851
no. of sample hhs	6273	2018	6273	2006	6273	1974
North-Western						**rural**
tap	584	147	561	136	580	158
tubewell, hand pump	150	141	160	124	158	130
well	73	188	71	203	68	202
tank/pond reserved for drinking	1	1	5	1	5	1
other tank/pond	13	15	14	21	13	16
river/canal/lake	41	190	60	194	52	185
spring	126	300	123	296	117	284
tanker	5	5	-	13	-	12
other	5	14	6	13	7	12
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	21164	9657	21164	9218	21164	9133
no. of sample hhs	3816	1850	3816	1762	3816	1741
Southern						**rural**
tap	629	361	545	375	520	428
tubewell, hand pump	52	6	135	103	150	79
well	259	489	260	377	265	356
tank/pond reserved for drinking	5	-	3	1	2	-
other tank/pond	0	-	3	14	0	10
river/canal/lake	13	72	26	85	21	82
spring	22	25	28	16	41	17
tanker	20	47	-	30	-	29
other	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	3059	636	3059	939	3059	970
no. of sample hhs	1014	155	1014	172	1014	194

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for					
	cooking		bathing		washing utensils	
	principal source	supplementary source (if any)	principal source	supplementary source (if any)	principal source	supplementary source (if any)
1	2	3	4	5	6	7
Andhra Pradesh						**urban**
tap	697	56	497	91	459	88
tubewell, hand pump	167	648	312	688	335	703
well	105	213	171	155	173	155
tank/pond reserved for drinking	2	14	9	5	10	4
other tank/pond	4	3	-	8	-	1
river/canal/lake	2	12	1	14	2	13
spring	-	-	-	-	-	-
tanker	20	32	3	15	3	13
other	2	21	6	24	18	24
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	44115	12829	44115	11309	44115	11233
no. of sample hhs	2356	632	2356	598	2356	591
Assam						**urban**
tap	424	35	334	47	327	25
tubewell, hand pump	384	737	474	664	478	701
well	178	78	178	102	174	107
tank/pond reserved for drinking	-	20	-	17	5	17
other tank/pond	1	17	1	46	2	37
river/canal/lake	-	94	-	92	-	81
spring	-	-	-	-	-	-
tanker	-	-	-	-	-	-
other	13	18	13	32	13	32
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	4504	553	4504	647	4504	641
no. of sample hhs	504	67	504	79	504	76
Bihar						**urban**
						rural
tap	348	9	266	134	263	159
tubewell, hand pump	433	254	418	251	454	245
well	186	500	204	291	223	304
tank/pond reserved for drinking	-	-	-	13	-	14
other tank/pond	-	46	63	157	15	216
river/canal/lake	11	139	40	118	38	20
spring	-	40	-	36	-	41
tanker	14	12	-	-	-	-
other	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	23100	5797	23100	6348	23100	5598
no. of sample hhs	1283	239	1283	244	1283	236

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for					
	cooking		bathing		washing utensils	
	principal source	supplementary source (if any)	principal source	supplementary source (if any)	principal source	supplementary source (if any)
1	2	3	4	5	6	7
Gujrat						**urban**
tap	940	427	892	364	896	328
tubewell, hand pump	44	386	93	509	88	557
well	4	39	4	55	4	40
tank/pond reserved for drinking	-	59	-	1	-	1
other tank/pond	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-
spring	-	-	-	-	-	-
tanker	11	74	11	59	11	61
other	-	15	-	12	-	13
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	22196	2297	22196	3712	22196	3592
no. of sample hhs	1701	197	1701	291	1701	295
Haryana						**urban**
tap	807	44	827	22	825	22
tubewell, hand pump	191	885	171	891	173	891
well	-	49	-	48	-	48
tank/pond reserved for drinking	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-
spring	-	-	-	-	-	-
tanker	-	21	-	38	-	38
other	2	1	2	1	2	1
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	10172	1835	10172	1887	10172	1887
no. of sample hhs	430	118	430	118	430	118
Karnataka						**urban**
						rural
tap	810	93	820	64	819	65
tubewell, hand pump	109	644	88	652	90	634
well	60	234	62	246	62	225
tank/pond reserved for drinking	14	-	17	-	17	-
other tank/pond	-	7	1	17	1	61
river/canal/lake	3	11	9	15	9	14
spring	-	-	-	-	-	-
tanker	-	3	-	1	-	2
other	4	7	3	5	3	-
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	26262	5537	26262	7105	26262	7797
no. of sample hhs	1566	443	1566	524	1566	554

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for					
	cooking		bathing		washing utensils	
	principal source	supplementary source (if any)	principal source	supplementary source (if any)	principal source	supplementary source (if any)
1	2	3	4	5	6	7
Kerala						**urban**
tap	385	328	339	261	340	289
tubewell, hand pump	33	56	48	50	50	48
well	522	555	574	467	589	452
tank/pond reserved for drinking	8	11	6	9	5	9
other tank/pond	-	-	10	38	2	21
river/canal/lake	-	46	21	43	-	47
spring	-	-	-	2	-	-
tanker	-	-	-	126	-	130
other	6	4	2	4	7	4
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	14431	2278	14431	2798	14431	2717
no. of sample hhs	1296	216	1296	268	1296	261
Madhya Pradesh						**urban**
tap	759	81	715	127	749	93
tubewell, hand pump	152	460	156	421	161	449
well	84	446	81	384	85	442
tank/pond reserved for drinking	-	-	3	3	0	3
other tank/pond	-	-	29	53	-	1
river/canal/lake	3	12	17	12	5	12
spring	-	-	-	-	-	-
tanker	-	-	-	-	-	-
other	-	-	-	1	-	-
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	32817	6038	32817	6593	32817	6195
no. of sample hhs	2010	445	2010	490	2010	454
Maharashtra						**urban**
						rural
tap	918	33	897	30	893	36
tubewell, hand pump	53	474	70	508	74	479
well	25	236	30	264	30	276
tank/pond reserved for drinking	-	6	-	5	-	5
other tank/pond	-	15	-	12	-	12
river/canal/lake	-	4	0	-	0	-
spring	-	-	-	-	-	-
tanker	1	166	0	131	1	137
other	2	66	2	52	2	54
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	68505	5875	68505	7469	68505	7129
no. of sample hhs	3806	390	3806	488	3806	476

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for					
	cooking		bathing		washing utensils	
	principal source	supplementary source (if any)	principal source	supplementary source (if any)	principal source	supplementary source (if any)
1	2	3	4	5	6	7
Orissa						**urban**
tap	395	221	326	287	347	225
tubewell, hand pump	300	457	201	304	249	417
well	267	269	205	215	355	246
tank/pond reserved for drinking	-	-	-	-	-	-
other tank/pond	19	35	236	173	40	89
river/canal/lake	12	16	24	19	2	19
spring	-	-	-	-	-	-
tanker	-	-	-	-	-	-
other	7	3	8	2	8	3
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	10120	2599	10120	3411	10120	2724
no. of sample hhs	646	150	646	148	646	132
Punjab						**urban**
tap	655	428	642	431	642	425
tubewell, hand pump	345	572	358	569	357	575
well	-	-	-	-	-	-
tank/pond reserved for drinking	-	-	-	-	-	-
other tank/pond	-	-	-	-	-	-
river/canal/lake	-	-	-	-	-	-
spring	-	-	-	-	-	-
tanker	-	-	-	-	-	-
other	-	-	-	-	-	-
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	16480	1736	16480	1544	16480	1535
no. of sample hhs	1295	124	1295	116	1295	116
Rajasthan						**urban**
						rural
tap	857	71	866	61	867	67
tubewell, hand pump	100	633	97	616	101	635
well	6	56	8	67	8	65
tank/pond reserved for drinking	12	-	-	-	-	-
other tank/pond	0	-	0	5	0	-
river/canal/lake	-	-	3	26	-	-
spring	-	-	-	-	-	-
tanker	17	240	17	225	17	232
other	8	-	8	-	8	-
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	18957	2545	18957	2715	18957	2628
no. of sample hhs	1129	160	1129	176	1129	167

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for					
	cooking		bathing		washing utensils	
	principal source	supplementary source (if any)	principal source	supplementary source (if any)	principal source	supplementary source (if any)
1	2	3	4	5	6	7
Taml Nadu						**urban**
tap	718	151	521	118	512	135
tubewell, hand pump	216	439	362	499	382	491
well	29	267	80	230	88	244
tank/pond reserved for drinking	4	8	4	6	4	9
other tank/pond	-	-	7	24	2	8
river/canal/lake	2	52	13	48	2	33
spring	-	6	0	6	0	5
tanker	25	16	9	9	2	9
other	5	61	3	60	6	66
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	54195	9964	54195	12837	54195	11650
no. of sample hhs	3138	651	3138	877	3138	795
Uttar Pradesh						**urban**
tap	433	185	450	170	450	162
tubewell, hand pump	532	679	514	687	515	693
well	35	135	35	140	35	144
tank/pond reserved for drinking	0	1	0	1	0	1
other tank/pond	0	-	-	-	-	-
river/canal/lake	-	-	0	3	-	-
spring	-	-	-	-	-	-
tanker	-	-	-	-	-	-
other	0	-	-	-	0	-
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	58362	6817	58362	7145	58362	7292
no. of sample hhs	2792	450	2792	448	2792	451
West Bengal						**urban**
						rural
tap	592	139	532	184	536	185
tubewell, hand pump	314	692	232	545	252	585
well	56	51	111	36	110	34
tank/pond reserved for drinking	-	-	-	23	-	9
other tank/pond	19	53	102	139	81	116
river/canal/lake	6	23	8	19	1	7
spring	-	35	-	34	-	38
tanker	-	-	-	-	-	-
other	9	7	16	21	20	26
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	39025	5280	39025	5532	39025	4864
no. of sample hhs	2222	294	2222	336	2222	278

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for cooking: principal source	cooking: supplementary source (if any)	bathing: principal source	bathing: supplementary source (if any)	washing utensils: principal source	washing utensils: supplementary source (if any)
1	2	3	4	5	6	7
North - Eastern						**urban**
tap	619	62	526	35	508	49
tubewell, hand pump	89	166	71	132	88	127
well	29	96	30	93	29	98
tank/pond reserved for drinking	71	194	86	184	79	195
other tank/pond	20	216	90	231	98	224
river/canal/lake	26	59	51	119	38	88
spring	90	60	89	72	90	66
tanker	28	24	28	21	28	22
other	24	124	27	114	34	131
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	3578	1108	3578	1158	3578	1069
no. of sample hhs	2165	582	2165	598	2165	557
North – Western						**urban**
tap	951	111	943	91	942	111
tubewell, hand pump	47	608	54	676	56	657
well	0	87	0	69	0	70
tank/pond reserved for drinking	1	-	1	-	1	3
other tank/pond	0	1	0	1	0	1
river/canal/lake	-	139	0	120	-	114
spring	1	7	1	9	1	7
tanker	-	46	-	34	-	38
other	-	1	-	-	-	-
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	26520	4320	26520	5387	26520	5322
no. of sample hhs	2124	334	2124	378	2124	367
Southern						**urban**
						rural
tap	809	289	711	253	703	252
tubewell, hand pump	83	265	181	295	184	298
well	90	408	96	445	96	443
tank/pond reserved for drinking	2	20	-	-	1	-
other tank/pond	-	-	2	7	-	7
river/canal/lake	-	-	-	-	-	-
spring	-	-	-	-	-	-
tanker	9	19	4	-	4	-
other	6	-	6	-	13	-
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	2465	364	2465	359	2465	363
no. of sample hhs	860	69	860	71	860	68

Table 21: Per 1000 distributions of households by principal and supplementary sources of water for cooking, water for bathing and water for washing utensils

source of water	number of households per 1000 using for					
	cooking		bathing		washing utensils	
	principal source	supplementary source (if any)	principal source	supplementary source (if any)	principal source	supplementary source (if any)
1	2	3	4	5	6	7
India						**rural**
tap	179	66	158	55	165	66
tubewell, hand pump	515	369	442	365	483	368
well	239	360	218	324	236	327
tank/pond reserved for drinking	12	27	15	21	12	24
other tank/pond	18	50	98	90	64	85
river/canal/lake	13	63	41	92	17	75
spring	18	33	20	28	18	28
tanker	2	16	1	13	1	13
other	4	16	4	12	3	13
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	1348695	261650	1348695	310937	1348695	287616
no. of sample hhs	78990	17037	78990	19490	78990	18245
India						**urban**
tap	698	121	638	133	635	131
tubewell, hand pump	213	531	237	529	247	543
well	68	229	86	196	92	201
tank/pond reserved for drinking	3	9	3	8	3	7
other tank/pond	3	13	20	42	9	36
river/canal/lake	2	34	8	33	3	21
spring	1	7	1	7	1	7
tanker	7	35	3	31	2	32
other	3	20	4	20	6	21
all	1000	1000	1000	1000	1000	1000
estd. no. of hhs(00)	475803	77773	475803	87955	475803	84237
no. of sample hhs	31323	5561	31323	6248	31323	5992

note : the row 'all' includes 'n. r.' cases of principal source (i.e. column 2, 4 & 6)

Table 22: Number of households per 1000 expressing concern about problems of flies, mosquitoes and foul odour and percentage of households reporting growth / diminution of such problems over the last 5 years

State	no. of hhs per 1000 expressing concern about problem of			% (0.0) of hhs reporting increase / decrease during last 5 years in problem of						no. of hhs	
				flies		mosquitoes		foul odour			
	flies	mosq-uitoes	foul odour	incr-ease	de-crease	in-crease	de-crease	incr-ease	decr-ease	estd. (00)	sam-ple
1	2	3	4	5	6	7	8	9	10	11	12
											rural
Andhra Pradesh	729	926	383	379	55	576	49	170	67	119333	5721
Assam	721	837	388	524	18	625	10	243	25	35114	3243
Bihar	680	861	403	606	11	786	8	335	12	150028	7464
Gujarat	549	776	239	293	88	386	73	159	103	54468	2939
Haryana	962	984	589	806	8	811	8	435	47	25388	1222
Karnataka	626	767	401	290	60	413	43	159	95	69692	3152
Kerala	424	754	112	143	104	423	63	35	88	45411	2911
Madhya Pradesh	511	658	300	438	73	579	35	221	83	107483	5802
Maharashtra	566	773	345	191	157	327	124	132	193	111247	5359
Orissa	797	841	546	601	40	670	25	271	108	63451	3401
Punjab	950	976	556	633	16	681	9	294	23	27971	2533
Rajasthan	641	772	295	459	38	598	38	211	53	62377	3501
Tamil Nadu	546	801	230	242	97	421	86	73	107	96319	5324
Uttar Pradesh	855	950	409	766	7	886	5	332	29	230008	10003
West Bengal	719	867	321	591	24	801	7	200	39	110552	5312
North-Eastern	678	815	421	377	109	497	74	188	129	15630	6273
North-Western	786	805	388	461	45	482	38	255	57	21164	3816
Southern	363	715	242	209	127	425	111	172	88	3059	1014
India	**685**	**840**	**361**	**483**	**52**	**629**	**38**	**224**	**70**	**1348695**	**78990**
											urban
Andhra Pradesh	531	868	476	288	106	562	60	268	88	44115	2356
Assam	772	835	581	437	42	543	48	315	49	4504	504
Bihar	744	953	648	632	18	861	6	521	25	23100	1283
Gujarat	529	773	396	307	118	444	104	292	105	22196	1701
Haryana	895	984	704	722	13	765	21	519	18	10172	430
Karnataka	575	811	509	238	89	445	52	250	95	26262	1566
Kerala	377	890	197	121	116	556	60	76	100	14431	1296
Madhya Pradesh	663	904	540	462	22	765	4	408	23	32817	2010
Maharashtra	522	888	475	169	263	518	136	163	279	68505	3806
Orissa	897	920	760	683	2	741	8	471	25	10120	646
Punjab	978	991	702	719	36	745	42	534	30	16480	1295
Rajasthan	629	902	406	523	18	782	13	354	21	18957	1129
Tamil Nadu	611	825	423	303	109	471	60	192	115	54195	3138
Uttar Pradesh	860	982	568	758	17	879	5	448	56	58362	2792
West Bengal	731	970	434	493	17	815	6	224	32	39025	2222
North-Eastern	592	771	443	339	152	430	113	271	198	3578	2165
North-Western	675	868	555	348	34	543	21	310	50	26520	2124
Southern	491	835	370	364	144	626	75	271	174	2465	860
India	**658**	**896**	**501**	**416**	**86**	**643**	**48**	**304**	**95**	**475803**	**31323**

Table 23: Number of households per 1000 willing to contribute money and/or labour towards improvement of sanitation in their neighbourhood and in their village/town

State	number of hhs per 1000 willing to contribute towards improvement of sanitation in own ***neighbourhood***						number of hhs per 1000 willing to contribute towards improvement of sanitation in own ***village/town***						no. of hhs	
	money and labour	money only	labour only	neither	n. r.	all	money and labour	money only	labour only	neither	n. r.	all	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
														rural
Andhra Pradesh	159	75	586	178	2	1000	150	76	558	209	7	1000	119333	5721
Assam	168	43	472	274	44	1000	153	40	419	304	84	1000	35114	3243
Bihar	185	49	597	154	15	1000	195	36	524	222	23	1000	150028	7464
Gujarat	92	28	530	350	-	1000	105	30	399	466	0	1000	54468	2939
Haryana	318	60	452	170	1	1000	309	37	218	427	9	1000	25388	1222
Karnataka	70	93	326	511	-	1000	70	98	226	605	-	1000	69692	3152
Kerala	226	178	376	220	-	1000	198	190	333	278	-	1000	45411	2911
Madhya Pradesh	148	88	551	213	0	1000	140	40	471	342	7	1000	107483	5802
Maharashtra	98	30	709	160	3	1000	96	29	599	265	10	1000	111247	5359
Orissa	75	54	594	275	1	1000	105	28	608	257	3	1000	63451	3401
Punjab	280	126	393	201	1	1000	251	112	324	311	1	1000	27971	2533
Rajasthan	203	52	433	309	3	1000	158	38	360	437	8	1000	62377	3501
Tamil Nadu	177	127	350	346	0	1000	158	125	322	394	1	1000	96319	5324
Uttar Pradesh	209	39	524	228	1	1000	181	35	442	340	2	1000	230008	10003
West Bengal	96	56	570	230	47	1000	106	54	537	277	27	1000	110552	5312
North-Eastern	222	54	421	269	33	1000	182	47	295	314	162	1000	15630	6273
North-Western	275	95	462	163	4	1000	242	89	421	240	9	1000	21164	3816
Southern	70	117	674	137	2	1000	105	224	406	266	-	1000	3059	1014
India	**162**	**66**	**523**	**241**	**8**	**1000**	**153**	**58**	**454**	**323**	**12**	**1000**	**1348695**	**78990**

Table 23: Number of households per 1000 willing to contribute money and/or labour towards improvement of sanitation in their neighbourhood and in their village/town

State	number of hhs per 1000 willing to contribute towards improvement of sanitation in own ***neighbourhood***						number of hhs per 1000 willing to contribute towards improvement of sanitation in own ***village/town***						no. of hhs	
	money and labour	money only	labour only	neither	n. r.	all	money and labour	money only	labour only	neither	n. r.	all	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Size Class of town : < 50,000														**Urban**
Andhra Pradesh	95	187	422	296	-	1000	43	203	321	433	-	1000	9591	504
Assam	246	275	144	259	77	1000	274	272	143	303	8	1000	2496	252
Bihar	131	183	552	131	3	1000	166	93	510	127	104	1000	8042	499
Gujarat	163	126	367	344	-	1000	186	162	225	423	3	1000	5616	452
Haryana	239	200	162	399	-	1000	238	194	127	442	-	1000	2439	143
Karnataka	92	179	125	604	-	1000	83	133	84	701	-	1000	8652	540
Kerala	175	170	258	397	-	1000	170	166	190	474	-	1000	7714	720
Madhya Pradesh	249	94	380	276	1	1000	143	96	249	509	3	1000	13615	719
Maharashtra	155	174	545	123	4	1000	136	202	472	182	7	1000	10131	647
Orissa	102	218	392	287	-	1000	95	228	410	267	-	1000	4233	215
Punjab	195	400	177	229	-	1000	174	264	163	398	-	1000	2137	288
Rajasthan	200	208	247	343	2	1000	150	180	223	443	4	1000	5519	376
Tamil Nadu	197	215	216	372	-	1000	171	224	202	403	-	1000	16484	935
Uttar Pradesh	231	69	491	209	-	1000	103	62	361	470	3	1000	18754	898
West Bengal	163	203	471	140	23	1000	103	273	354	183	87	1000	11365	575
North-Eastern	363	84	231	307	16	1000	267	89	206	294	143	1000	2077	1375
North-Western	157	332	408	103	-	1000	192	254	315	239	-	1000	3491	514
Southern	124	247	468	158	2	1000	117	399	204	206	74	1000	948	394
India	**180**	**170**	**367**	**279**	**4**	**1000**	**137**	**169**	**290**	**386**	**18**	**1000**	**133305**	**10046**

Table 23: Number of households per 1000 willing to contribute money and/or labour towards improvement of sanitation in their neighbourhood and in their village/town

State	number of hhs per 1000 willing to contribute towards improvement of sanitation in own ***neighbourhood***						number of hhs per 1000 willing to contribute towards improvement of sanitation in own ***village/town***						no. of hhs	
-	money and labour	money only	labour only	neither	n. r.	all	money and labour	money only	labour only	neither	n. r.	all	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Size Class of town : < 50,000 - 200,000														**Urban**
Andhra Pradesh	120	134	477	267	3	1000	127	120	423	323	7	1000	16722	646
Assam	151	173	348	322	7	1000	111	97	320	431	40	1000	912	144
Bihar	153	76	626	142	3	1000	159	54	512	272	3	1000	8544	388
Gujarat	29	60	481	431	-	1000	22	60	141	774	3	1000	6851	468
Haryana	273	266	50	410	-	1000	281	121	1	598	-	1000	6306	215
Karnataka	32	178	50	740	-	1000	27	83	58	832	-	1000	6302	396
Kerala	293	237	340	130	-	1000	307	252	295	146	-	1000	2898	288
Madhya Pradesh	97	127	338	438	-	1000	63	93	136	703	5	1000	6961	576
Maharashtra	226	179	471	124	-	1000	218	154	404	224	-	1000	9500	502
Orissa	38	173	247	542	0	1000	38	161	259	542	0	1000	3005	216
Punjab	360	308	239	93	-	1000	313	274	234	179	-	1000	4891	360
Rajasthan	202	242	265	291	-	1000	129	180	221	469	2	1000	4235	322
Tamil Nadu	153	240	199	408	-	1000	117	165	183	534	-	1000	13662	935
Uttar Pradesh	213	118	211	457	-	1000	145	112	192	551	-	1000	13710	610
West Bengal	90	354	256	259	42	1000	89	275	216	320	100	1000	11595	755
North-Eastern	406	122	288	174	10	1000	339	113	182	203	164	1000	1501	790
North-Western	462	135	152	244	7	1000	124	20	115	741	-	1000	1676	212
Southern	94	212	389	305	-	1000	114	270	294	322	-	1000	981	394
India	**162**	**185**	**317**	**332**	**5**	**1000**	**139**	**142**	**249**	**456**	**14**	**1000**	**120251**	**8217**

Table 23: Number of households per 1000 willing to contribute money and/or labour towards improvement of sanitation in their neighbourhood and in their village/town

State	number of hhs per 1000 willing to contribute towards improvement of sanitation in own ***neighbourhood***						number of hhs per 1000 willing to contribute towards improvement of sanitation in own ***village/town***						no. of hhs	
	money and labour	money only	labour only	neither	n. r.	all	money and labour	money only	labour only	neither	n. r.	all	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Size Class of town : > 200,000														**Urban**
Andhra Pradesh	205	324	262	209	-	1000	168	316	260	224	32	1000	17803	1206
Assam	103	24	187	686	-	1000	41	-	64	726	169	1000	1097	108
Bihar	166	184	496	136	18	1000	158	138	230	418	56	1000	6513	396
Gujarat	110	104	336	451	-	1000	107	78	249	566	-	1000	9729	781
Haryana	866	-	38	96	-	1000	905	-	42	53	-	1000	1427	72
Karnataka	20	285	67	629	-	1000	56	221	46	677	-	1000	11308	630
Kerala	256	490	95	160	-	1000	181	478	109	231	-	1000	3819	288
Madhya Pradesh	310	114	300	276	0	1000	240	97	221	443	0	1000	12241	715
Maharashtra	207	271	283	238	0	1000	260	145	209	385	2	1000	48874	2657
Orissa	36	370	112	483	-	1000	37	356	116	492	-	1000	2882	215
Punjab	161	171	193	475	0	1000	147	127	195	530	0	1000	9452	647
Rajasthan	263	249	292	196	-	1000	239	149	284	328	0	1000	9203	431
Tamil Nadu	111	233	160	495	1	1000	102	246	140	511	0	1000	24049	1268
Uttar Pradesh	303	173	322	201	1	1000	245	97	206	448	4	1000	25898	1284
West Bengal	128	352	304	213	4	1000	94	270	213	315	108	1000	16064	892
North-Eastern	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North-Western	190	370	329	112	-	1000	165	146	150	539	-	1000	21353	1398
Southern	75	538	147	240	-	1000	45	116	539	300	-	1000	536	72
India	**193**	**255**	**266**	**285**	**1**	**1000**	**184**	**177**	**193**	**432**	**14**	**1000**	**222247**	**13060**

Table 23: Number of households per 1000 willing to contribute money and/or labour towards improvement of sanitation in their neighbourhood and in their village/town

State	number of hhs per 1000 willing to contribute towards improvement of sanitation in own ***neighbourhood***						number of hhs per 1000 willing to contribute towards improvement of sanitation in own ***village/town***						no. of hhs	
	money and labour	money only	labour only	neither	n. r.	all	money and labour	money only	labour only	neither	n. r.	all	estd. (00)	sample
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Size Class of town : all														**Urban**
Andhra Pradesh	149	222	378	250	1	1000	126	217	335	307	16	1000	44115	2356
Assam	192	193	196	375	44	1000	184	170	159	432	54	1000	4504	504
Bihar	149	144	563	137	7	1000	161	91	432	263	53	1000	23100	1283
Gujarat	98	96	388	418	-	1000	101	94	210	594	2	1000	22196	1701
Haryana	348	213	75	363	-	1000	358	121	37	484	-	1000	10172	430
Karnataka	47	224	82	647	-	1000	58	159	61	722	-	1000	26262	1566
Kerala	220	268	231	281	-	1000	200	266	190	344	-	1000	14431	1296
Madhya Pradesh	240	108	341	310	0	1000	162	96	215	526	2	1000	32817	2010
Maharashtra	202	244	348	205	1	1000	236	154	275	332	2	1000	68505	3806
Orissa	64	248	269	419	0	1000	61	245	281	413	0	1000	10120	646
Punjab	224	242	205	330	0	1000	200	188	203	409	0	1000	16480	1295
Rajasthan	231	235	273	260	1	1000	189	165	252	393	2	1000	18957	1129
Tamil Nadu	148	229	187	436	0	1000	127	219	170	484	0	1000	54195	3138
Uttar Pradesh	259	127	350	264	0	1000	176	89	252	480	3	1000	58362	2792
West Bengal	127	309	338	205	21	1000	95	272	255	278	100	1000	39025	2222
North-Eastern	381	100	255	251	13	1000	297	99	196	256	152	1000	3578	2165
North-Western	203	350	328	119	0	1000	166	152	170	512	-	1000	26520	2124
Southern	102	296	367	235	1	1000	100	286	313	272	29	1000	2465	860
India	**182**	**213**	**307**	**295**	**3**	**1000**	**160**	**166**	**234**	**425**	**15**	**1000**	**475803**	**31323**

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